

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101220\
 Data File : VL035759.D
 Acq On : 12 Oct 2020 13:19
 Operator : SY/AP
 Sample : L4347-01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 1

Manual Integrations
 APPROVED

MMDadoda
 10/14/2020 2:11:22 PM

Quant Time: Oct 13 22:59:44 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23

QLast Update : Wed Sep 23 07:38:05 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1050404	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.18	114	4269321	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	4301377	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3299375	10.24	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.40%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.03	85	47096	0.273	ppbv	92
3) Chlorodifluoromethane	2.97	51	75022m	0.664	ppbv	
4) Chloromethane	3.12	50	33075	0.545	ppbv	96
9) Propene	3.00	41	761227	18.553	ppbv	88
10) Heptane	8.12	43	620094	5.421	ppbv	98
11) Trichlorofluoromethane	3.94	101	69840	0.284	ppbv	84
13) Ethanol	3.72	45	51901287m	5129.469	ppbv	
15) Acetone	3.84	43	12112838	107.169	ppbv #	81
17) tert-Butyl alcohol	4.44	59	1455256m	11.820	ppbv	
19) Isopropyl Alcohol	4.11	45	2129928m	34.642	ppbv	
20) Methylene Chloride	4.34	84	1758101	21.176	ppbv	95
25) Ethyl Acetate	5.66	43	3111661m	15.300	ppbv	
26) Hexane	5.68	57	1086163	9.746	ppbv #	56
27) Carbon Disulfide	4.54	76	299413	1.802	ppbv	99
29) Chloroform	5.75	83	314235	1.388	ppbv	93
30) Cyclohexane	7.12	84	167945	1.527	ppbv #	90
32) 1,1,1-Trichloroethane	6.51	97	140854	0.706	ppbv	96
34) 2-Butanone	5.24	43	2076025	14.702	ppbv	99
35) Carbon Tetrachloride	7.02	117	13491m	0.061	ppbv	
36) Benzene	6.89	78	957243	3.441	ppbv	98
38) Trichloroethene	7.83	130	10115m	0.073	ppbv	
44) 2,2,4-Trimethylpentane	7.87	57	541860	1.357	ppbv #	75
51) 2-Hexanone	10.16	43	859852	5.174	ppbv	98
52) Tetrachloroethene	11.23	164	109665	0.820	ppbv	99
53) Toluene	9.81	91	13396605	40.839	ppbv #	81
58) Ethyl Benzene	12.72	91	3118179	7.223	ppbv	95
59) m/p-Xylene	12.98	91	7236326	19.193	ppbv	98
60) o-Xylene	13.70	91	3544878	9.295	ppbv	99
61) Styrene	13.54	104	944538	3.582	ppbv	98
62) Isopropylbenzene	14.68	105	154413	0.261	ppbv	95
64) n-propylbenzene	15.58	120	88862	0.513	ppbv #	62
65) tert-Butylbenzene	16.78	119	165462	0.308	ppbv #	75
69) p-Isopropyltoluene	17.68	119	140648m	0.233	ppbv	
70) n-Butylbenzene	18.59	91	198257	0.319	ppbv #	59
72) 4-Ethyltoluene	15.85	105	423905	0.938	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	381207	0.893	ppbv	96
74) 1,2,4-Trimethylbenzene	16.78	105	1393909	2.896	ppbv #	71
78) Hexachloro-1,3-Butadiene	23.40	225	24790m	0.145	ppbv	
79) Naphthalene	22.24	128	126293	0.275	ppbv	96
80) Naphthalene,2-methyl-	24.99	142	24983	0.231	ppbv #	94

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1

Manual Integrations
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10/14/2020 2:11:22 PM

Quant Time: Oct 13 22:59:44 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23 07:38:05 2020
QLast Update : Wed Sep 23 07:38:05 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

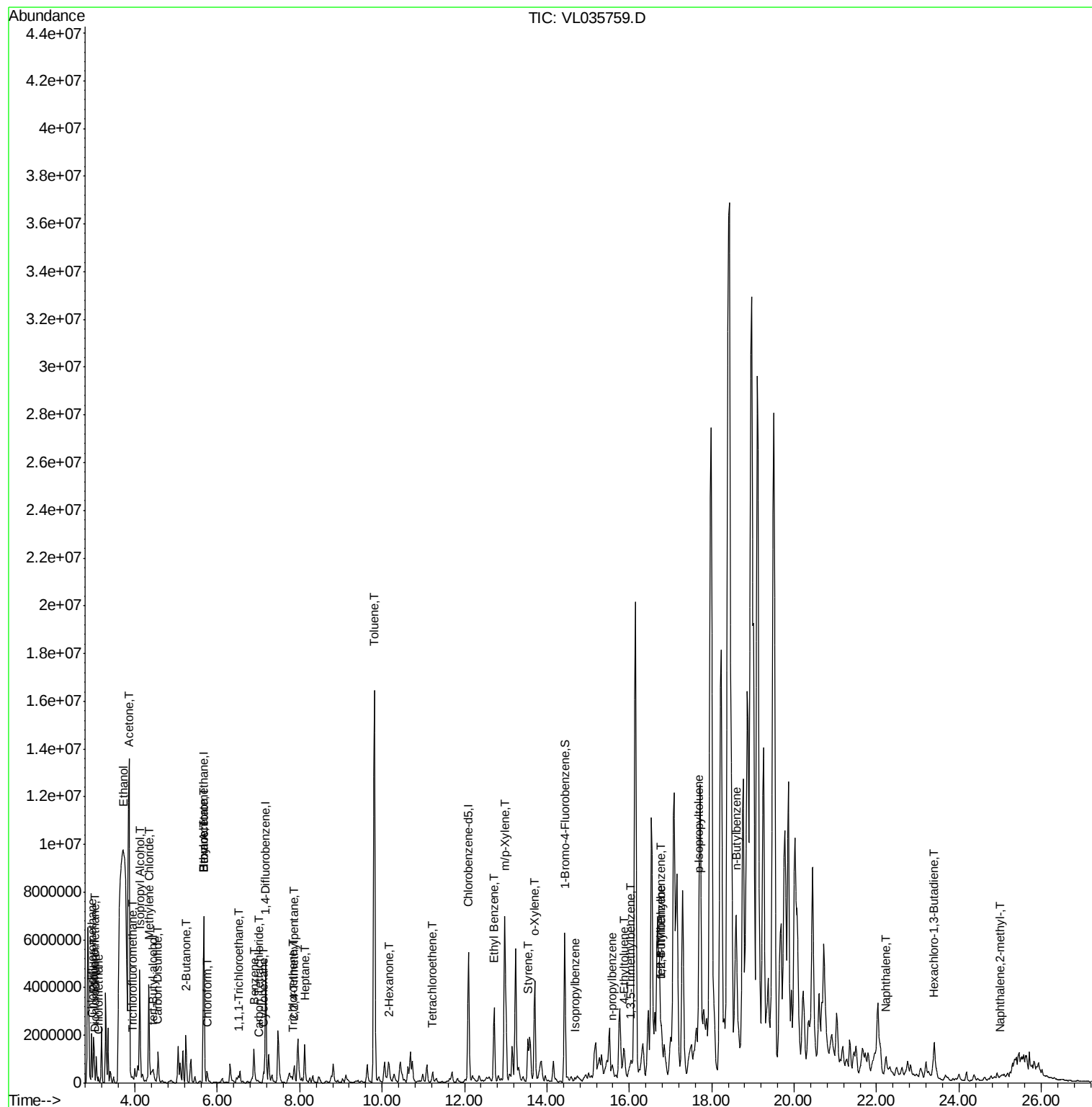
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL101220\
Data File : VL035759.D
Acq On : 12 Oct 2020 13:19
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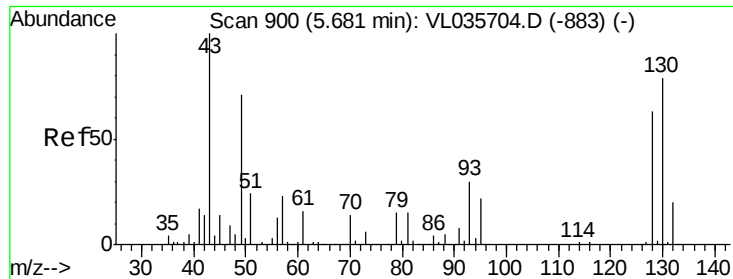
Instrument :
MSVOA_L
ClientSampled :
1

Manual Integrations
APPROVED

MMDadoda
10/14/2020 2:11:22 PM

Quant Time: Oct 13 22:59:44 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep
QLast Update : Wed Sep 23 07:38:05 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.02 min

Lab File: VL035759.D

Acq: 12 Oct 2020 13:19

Instrument :

MSVOA_L

ClientSampled :

1

Tot Ion: 49 Resp: 1050404

Ion Ratio Lower Upper

49 100

128 83.3 43.1 129.4

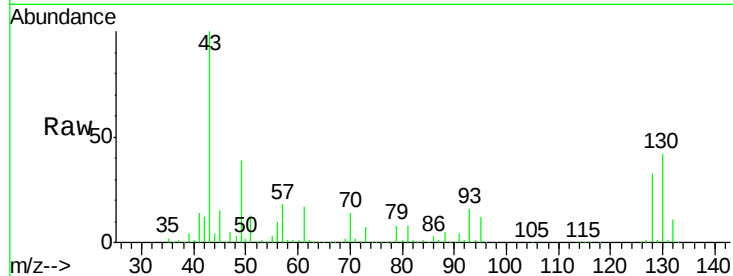
130 106.9 54.9 164.7

Manual Integrations

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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

800000

600000

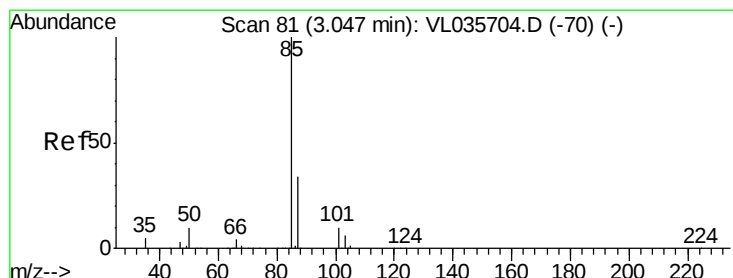
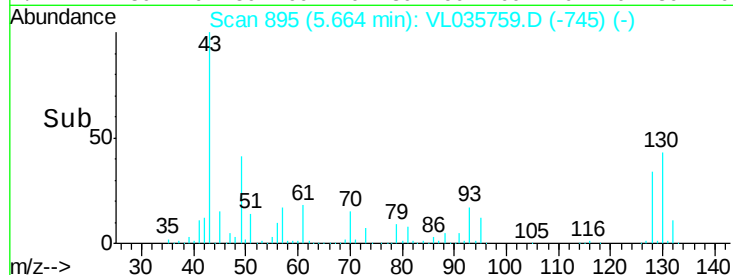
400000

200000

0

5.60 5.65 5.70

Time-->



#2

Dichlorodifluoromethane

Concen: 0.273 ppbv

RT: 3.03 min Scan# 77

Delta R.T. -0.01 min

Lab File: VL035759.D

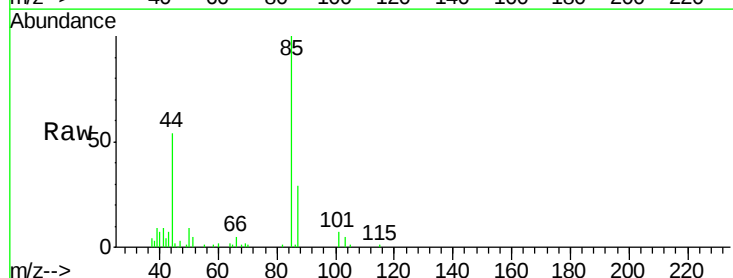
Acq: 12 Oct 2020 13:19

Tgt Ion: 85 Resp: 47096

Ion Ratio Lower Upper

85 100

87 29.5 27.3 40.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

40000

30000

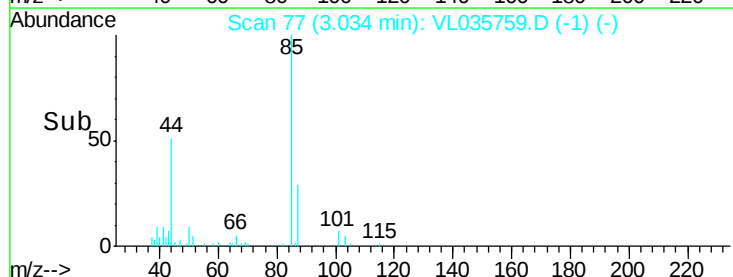
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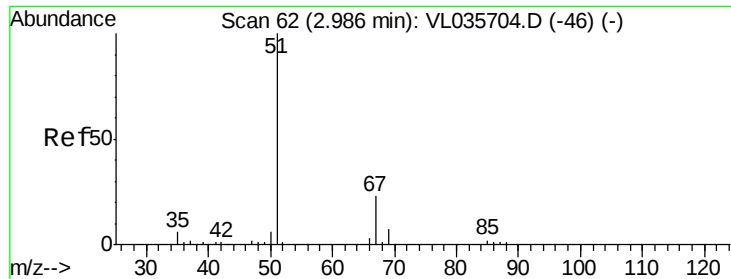
10000

0

3.00 3.05

Time-->





#3

Chlorodifluoromethane

Concen: 0.664 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.02 min

Lab File: VL035759.D

Acq: 12 Oct 2020 13:19

Instrument :

MSVOA_L

ClientSampleId :

1

Tot Ion: 51 Resp: 75022

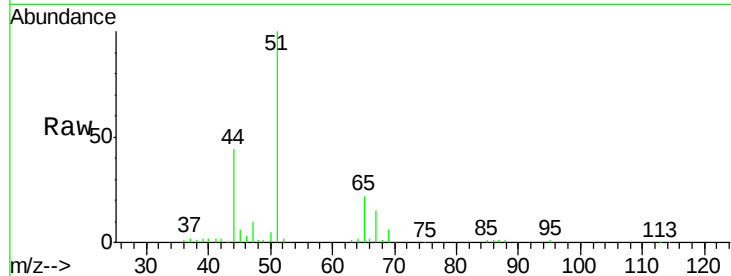
Ion Ratio Lower Upper

51 100

67 31.0 17.8 26.8#

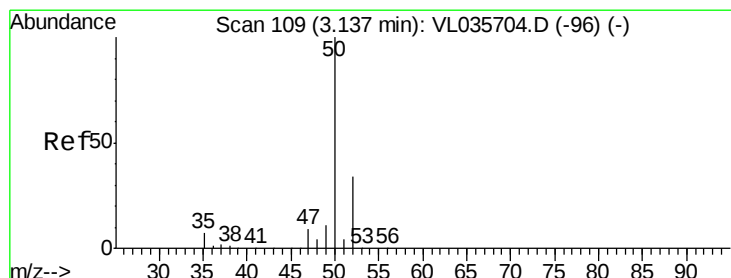
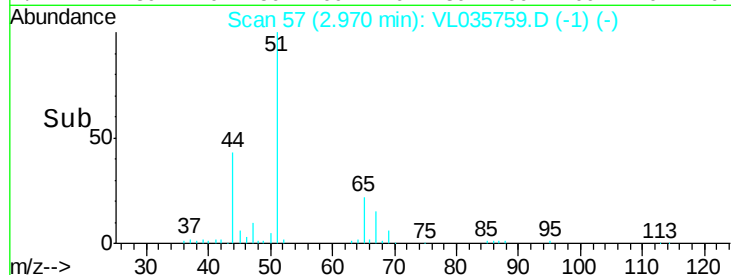
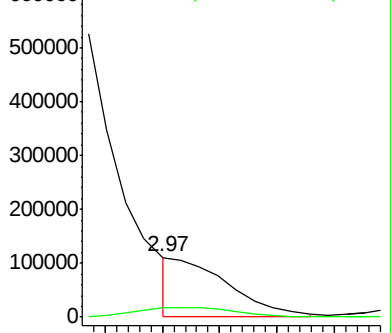
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.545 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.01 min

Lab File: VL035759.D

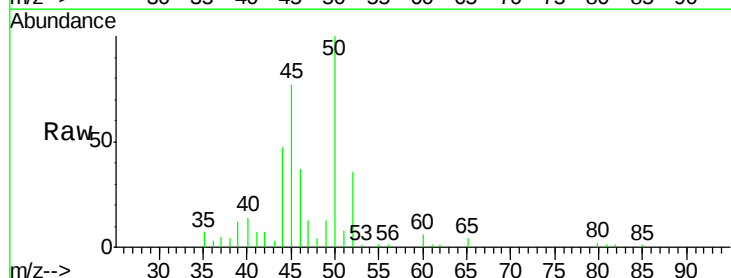
Acq: 12 Oct 2020 13:19

Tgt Ion: 50 Resp: 33075

Ion Ratio Lower Upper

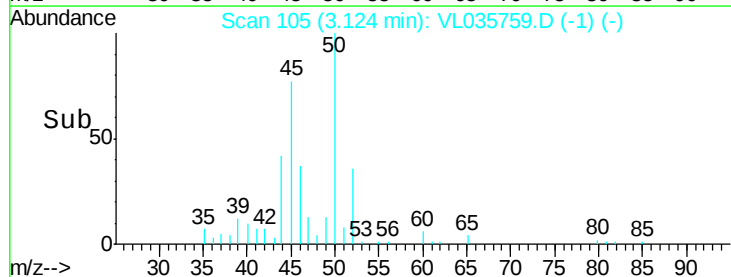
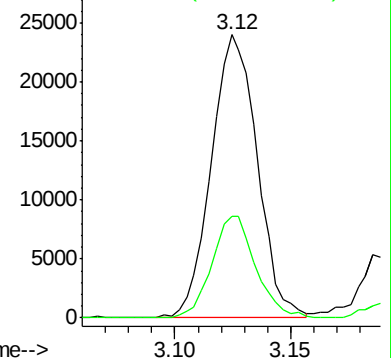
50 100

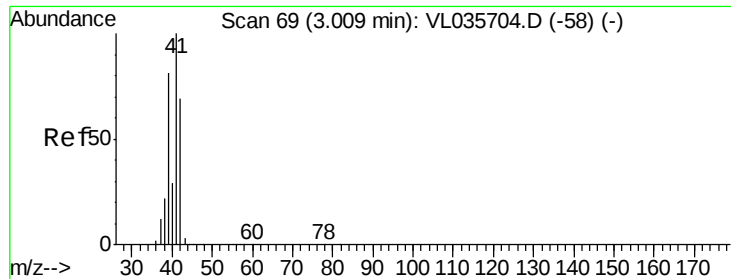
52 36.0 26.8 40.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 18.553 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.01 min

Lab File: VL035759.D

Acq: 12 Oct 2020 13:19

Instrument :

MSVOA_L

ClientSampled :

1

Tot Ion: 41 Resp: 761227

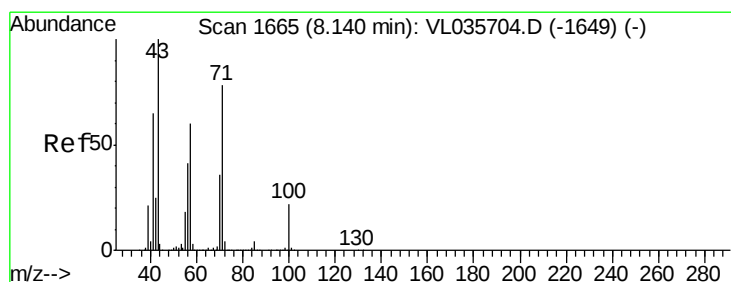
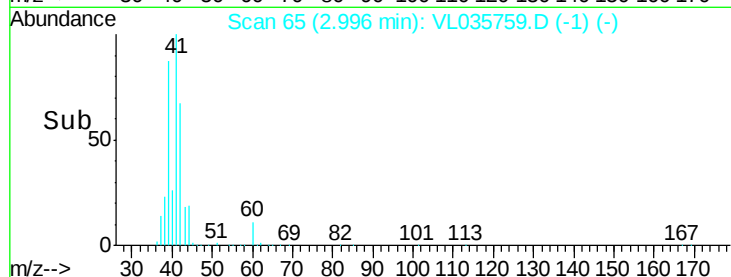
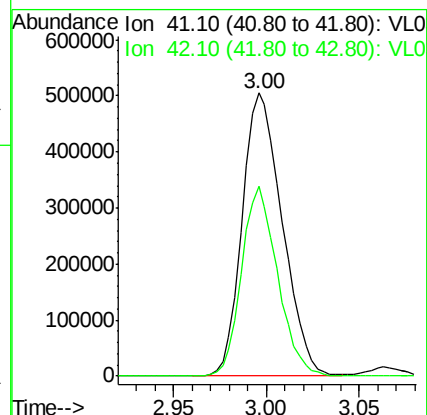
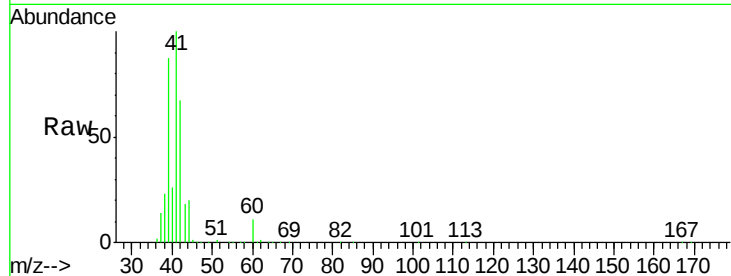
Ion Ratio Lower Upper

41 100

42 60.6 56.2 84.4

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#10

Heptane

Concen: 5.421 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. -0.02 min

Lab File: VL035759.D

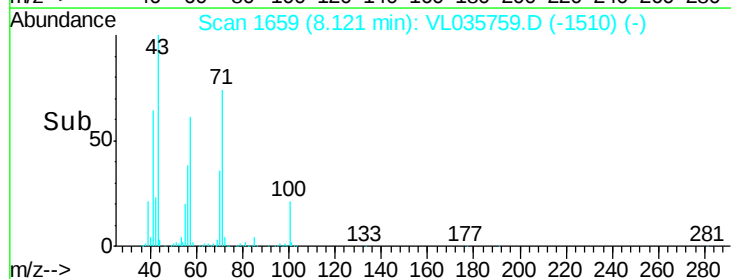
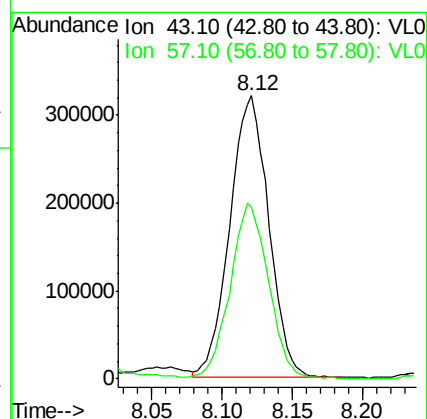
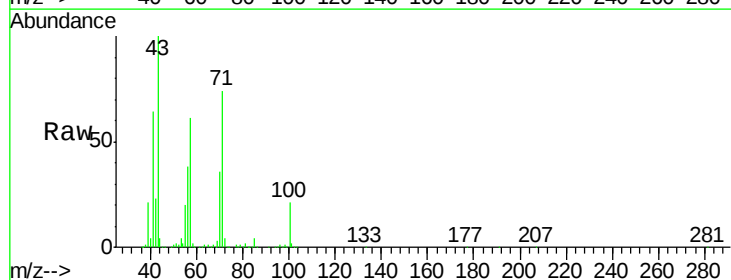
Acq: 12 Oct 2020 13:19

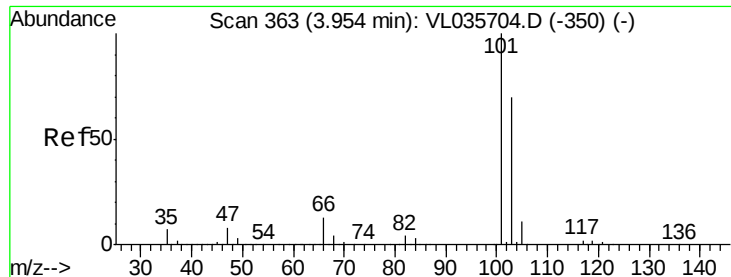
Tgt Ion: 43 Resp: 620094

Ion Ratio Lower Upper

43 100

57 61.1 50.4 75.6





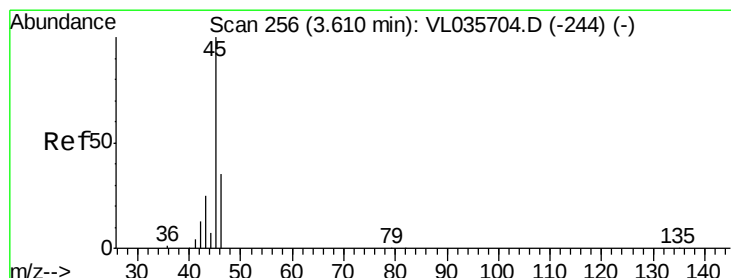
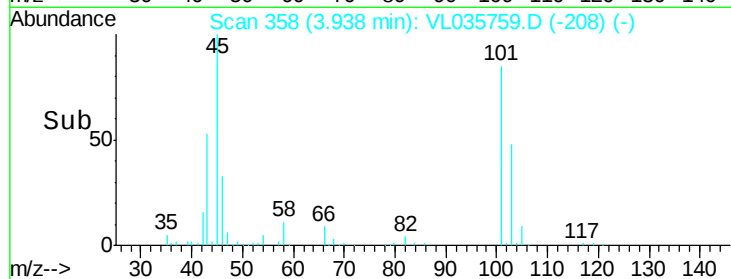
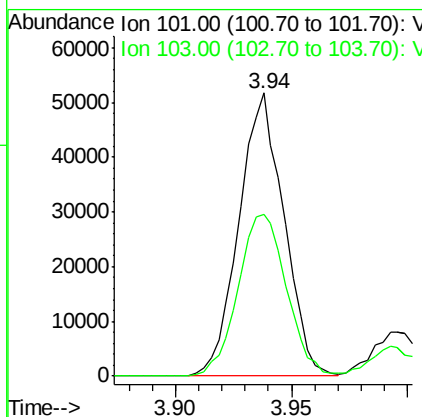
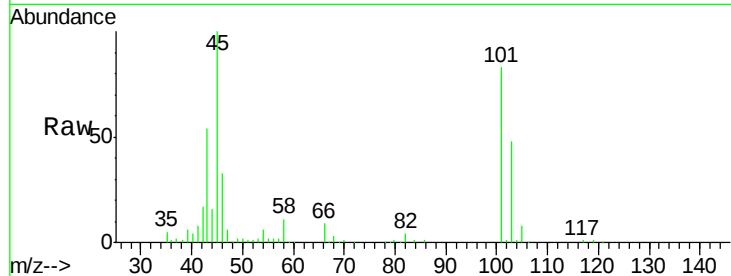
#11
 Trichlorofluoromethane
 Concen: 0.284 ppbv
 RT: 3.94 min Scan# 358
 Delta R.T. -0.02 min
 Lab File: VL035759.D
 Acq: 12 Oct 2020 13:19

Instrument :
 MSVOA_L
 ClientSampled :
 1

Tot Ion:101 Resp: 69840
 Ion Ratio Lower Upper
 101 100
 103 56.8 55.6 83.4

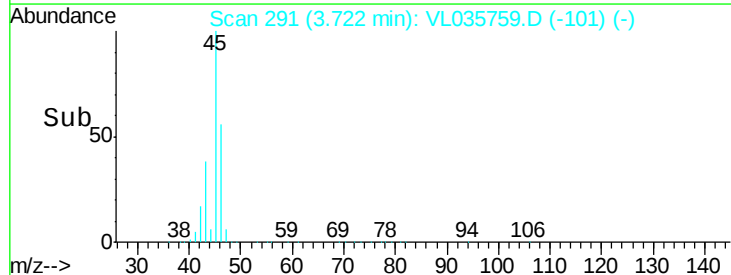
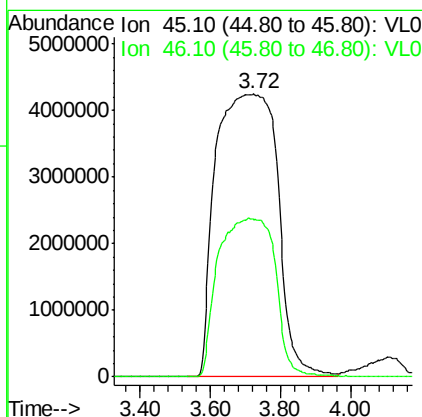
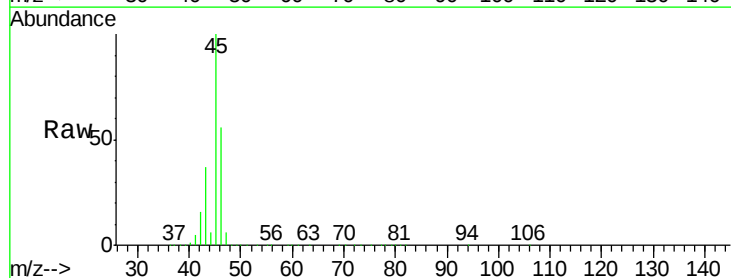
Manual Integrations
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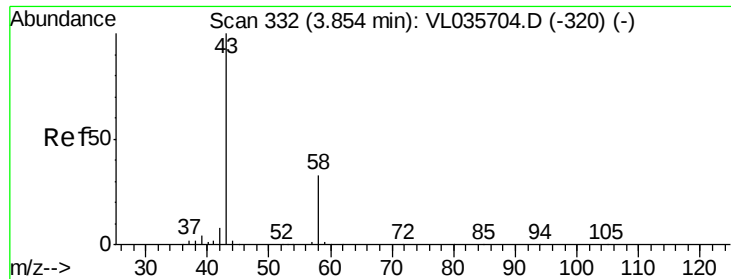
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#13
 Ethanol
 Concen: 5129.469 ppbv m
 RT: 3.72 min Scan# 291
 Delta R.T. 0.11 min
 Lab File: VL035759.D
 Acq: 12 Oct 2020 13:19

Tgt Ion: 45 Resp:51901287
 Ion Ratio Lower Upper
 45 100
 46 0.0 14.7 58.7#





#15

Acetone

Concen: 107.169 ppbv

RT: 3.84 min Scan# 327

Delta R.T. -0.02 min

Lab File: VL035759.D

Acq: 12 Oct 2020 13:19

Instrument :

MSVOA_L

ClientSampled :

1

Tot Ion: 43 Resp:12112838

Ion Ratio Lower Upper

43 100

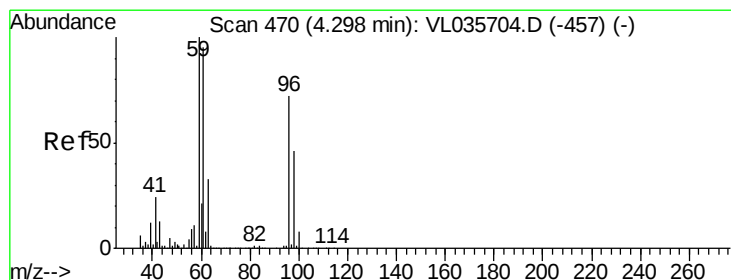
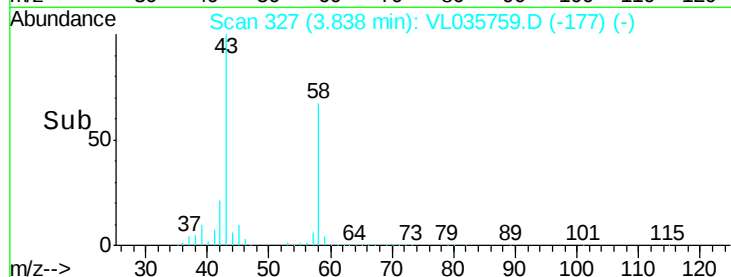
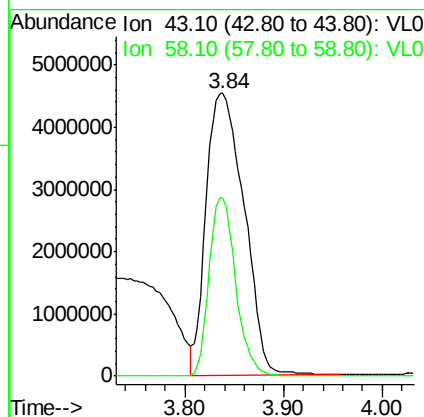
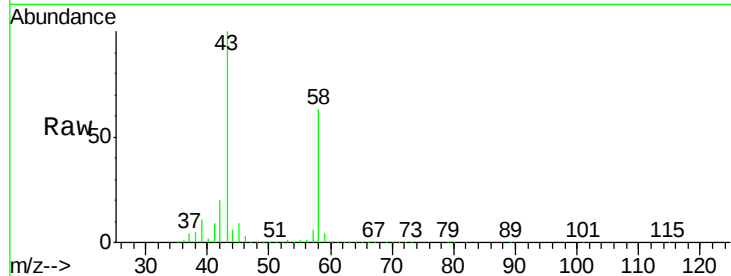
58 44.9 27.3 40.9#

Manual Integrations

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#17

tert-Butyl alcohol

Concen: 11.820 ppbv m

RT: 4.44 min Scan# 513

Delta R.T. 0.14 min

Lab File: VL035759.D

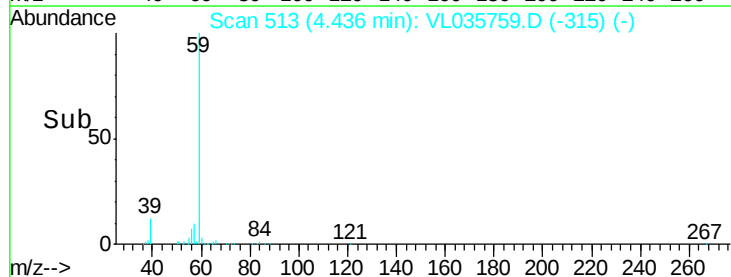
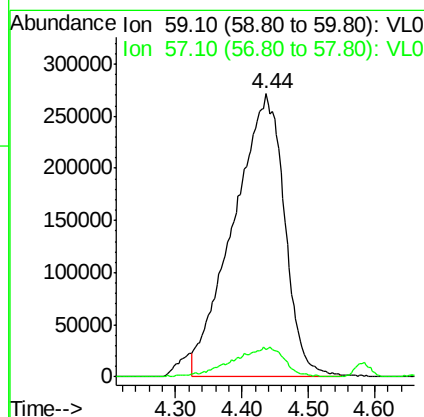
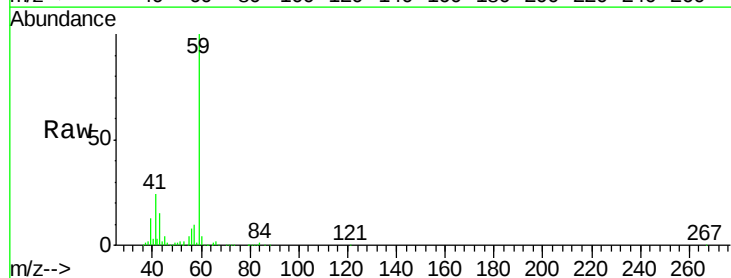
Acq: 12 Oct 2020 13:19

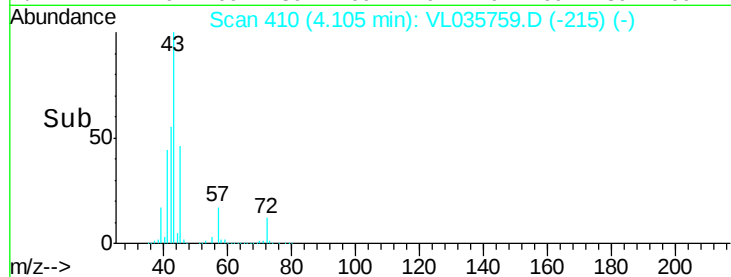
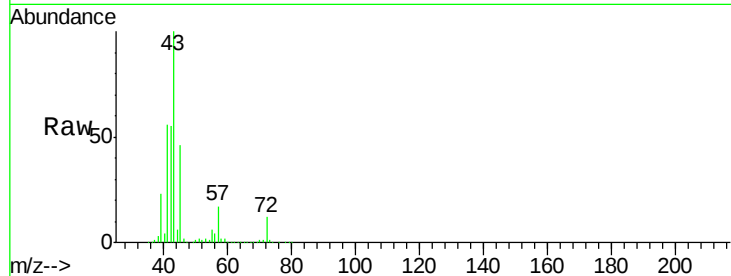
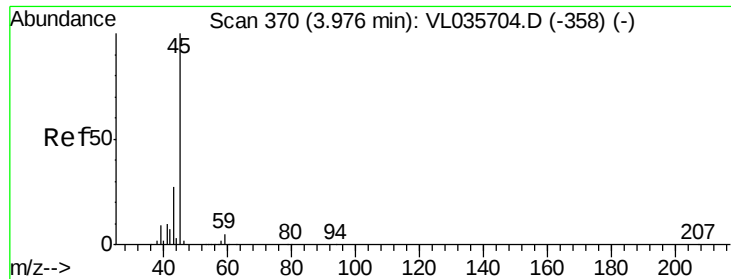
Tgt Ion: 59 Resp: 1455256

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#





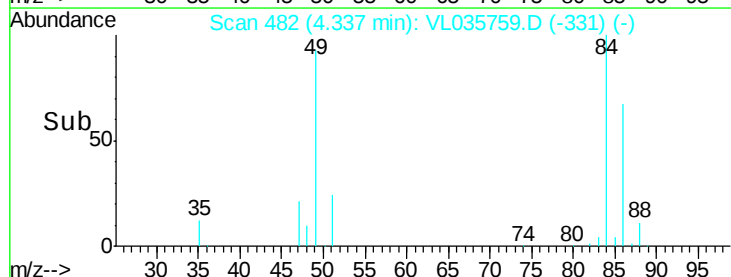
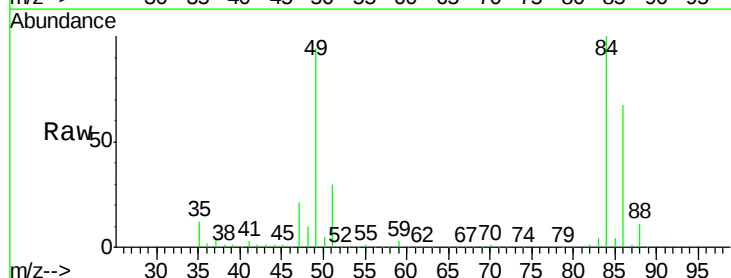
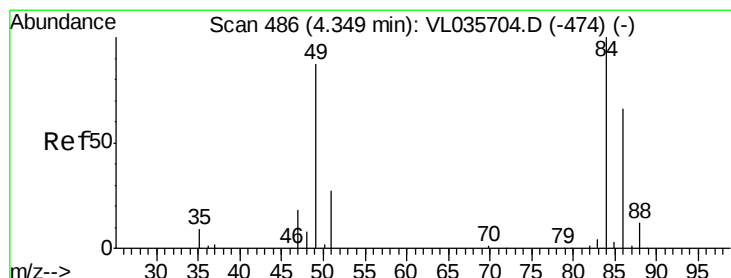
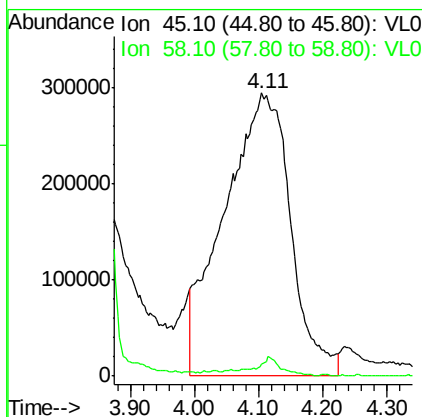
#19
Isopropyl Alcohol
Concen: 34.642 ppbv m
RT: 4.11 min Scan# 410
Delta R.T. 0.13 min
Lab File: VL035759.D
Acq: 12 Oct 2020 13:19

Tot Ion: 45 Resp: 2129928
Ion Ratio Lower Upper
45 100
58 0.0 2.8 4.2#

Instrument :
MSVOA_L
ClientSampled :
1

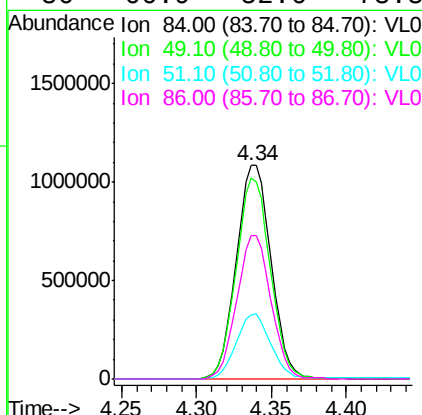
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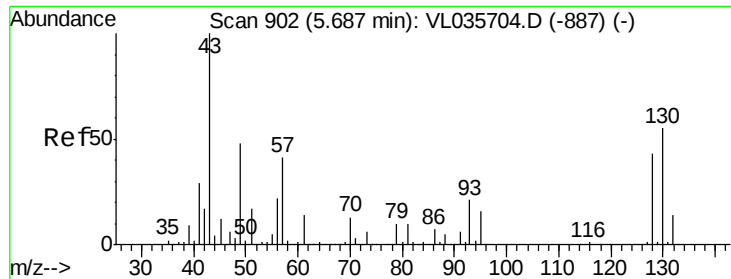
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#20
Methylene Chloride
Concen: 21.176 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.01 min
Lab File: VL035759.D
Acq: 12 Oct 2020 13:19

Tgt Ion: 84 Resp: 1758101
Ion Ratio Lower Upper
84 100
49 94.0 69.8 104.6
51 29.6 21.8 32.8
86 66.9 52.6 78.8





#25

Ethyl Acetate

Concen: 15.300 ppbv m

RT: 5.66 min Scan# 895

Delta R.T. -0.02 min

Lab File: VL035759.D

Acq: 12 Oct 2020 13:19

Instrument :

MSVOA_L

ClientSampleId :

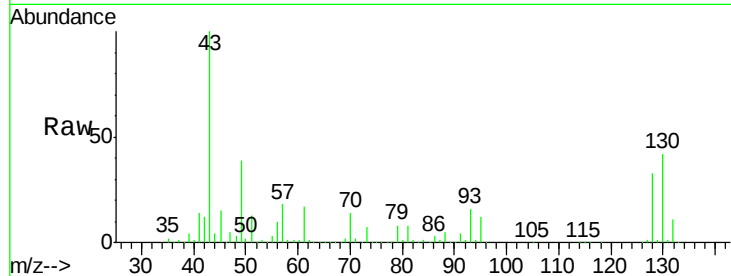
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Tot Ion: 43 Resp: 3111661

Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.6	12.8#
61	0.0	10.4	15.6#
70	0.0	8.9	13.3#



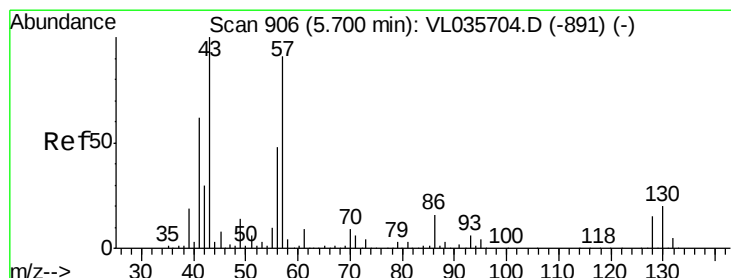
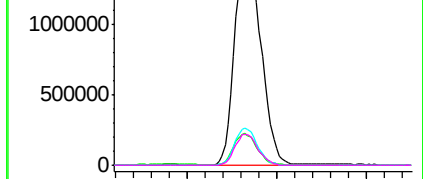
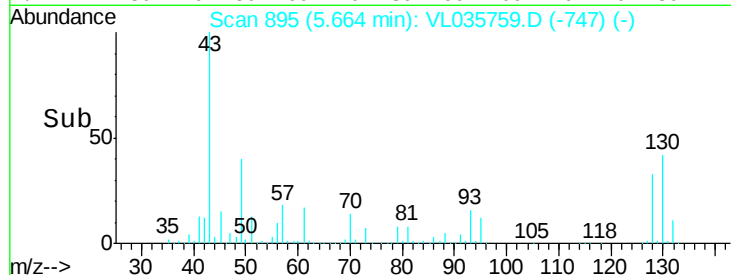
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0

Time-->



#26

Hexane

Concen: 9.746 ppbv

RT: 5.68 min Scan# 899

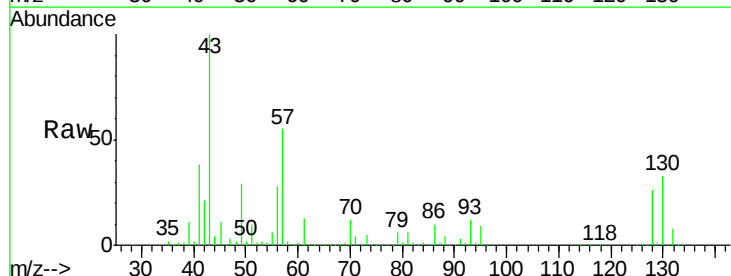
Delta R.T. -0.02 min

Lab File: VL035759.D

Acq: 12 Oct 2020 13:19

Tgt Ion: 57 Resp: 1086163

Ion	Ratio	Lower	Upper
57	100		
41	73.8	57.9	86.9
43	284.3	143.8	215.6#
56	54.2	43.0	64.6



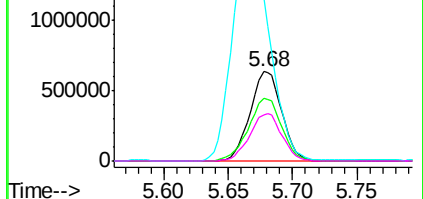
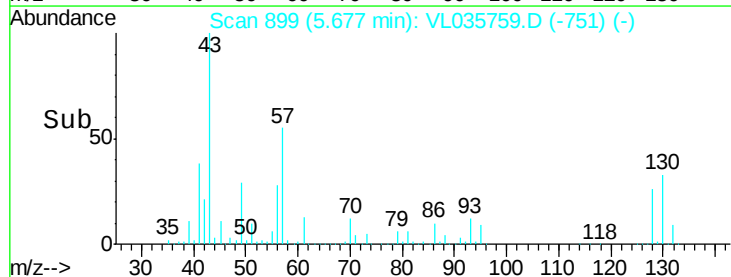
Abundance Ion 57.10 (56.80 to 57.80): VL0

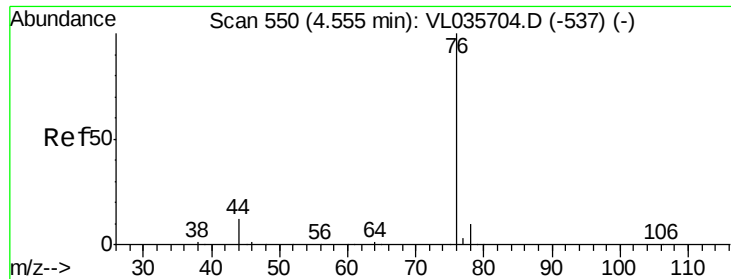
Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

Time-->





#27

Carbon Disulfide

Concen: 1.802 ppbv

RT: 4.54 min Scan# 545

Delta R.T. -0.02 min

Lab File: VL035759.D

Acq: 12 Oct 2020 13:19

Instrument :

MSVOA_L

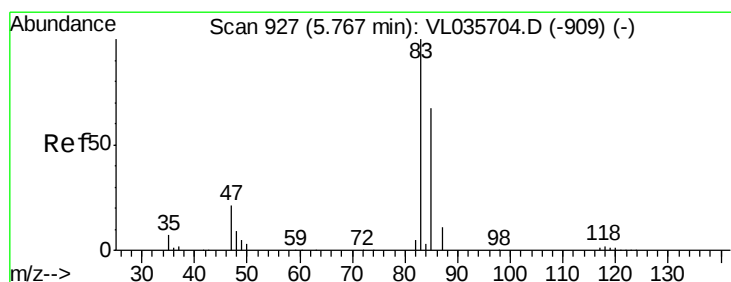
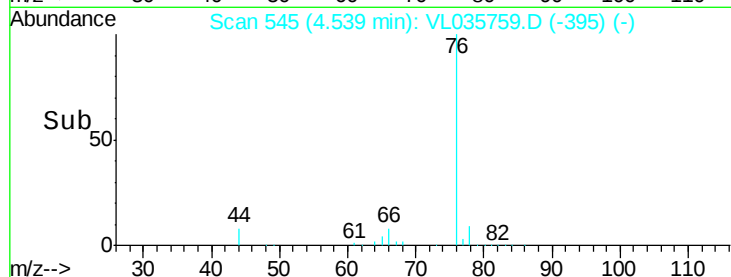
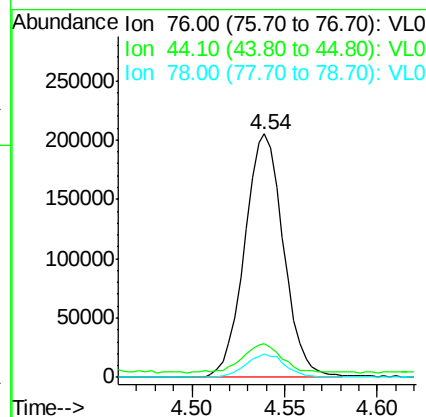
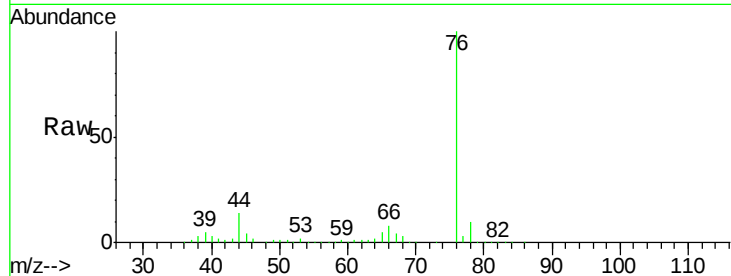
ClientSampled :

1

Tot Ion:	76	Resp:	299413
Ion Ratio	Lower	Upper	
76	100		
44	12.4	9.7	14.5
78	9.9	7.8	11.8

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#29

Chloroform

Concen: 1.388 ppbv

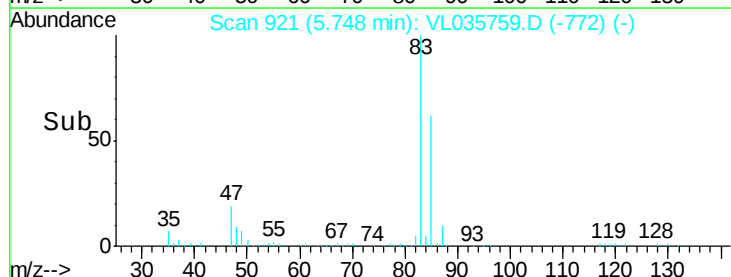
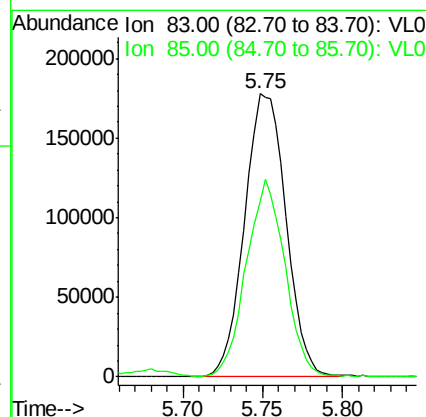
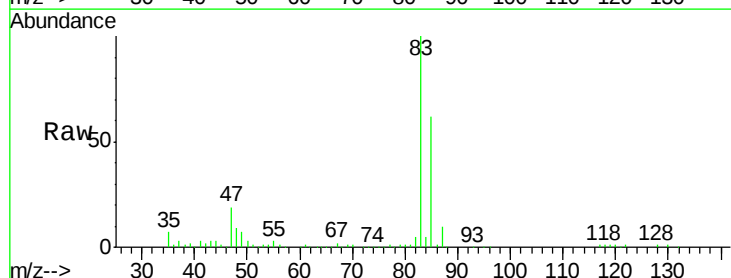
RT: 5.75 min Scan# 921

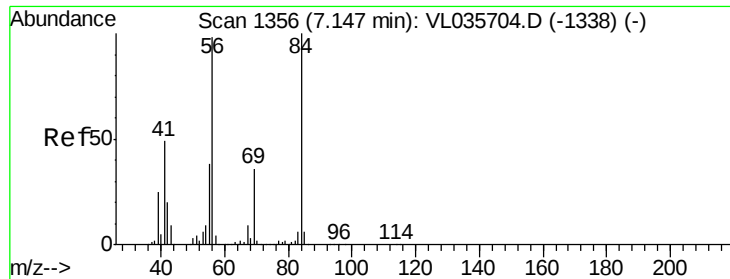
Delta R.T. -0.02 min

Lab File: VL035759.D

Acq: 12 Oct 2020 13:19

Tgt Ion:	83	Resp:	314235
Ion Ratio	Lower	Upper	
83	100		
85	61.8	54.0	81.0





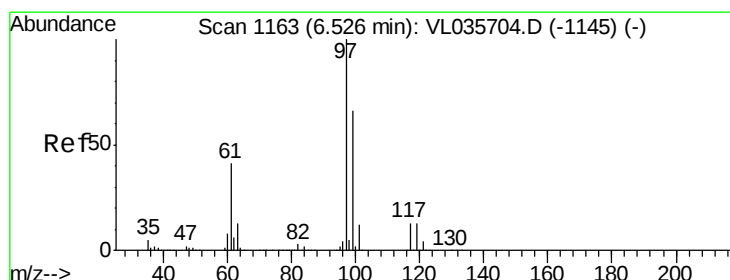
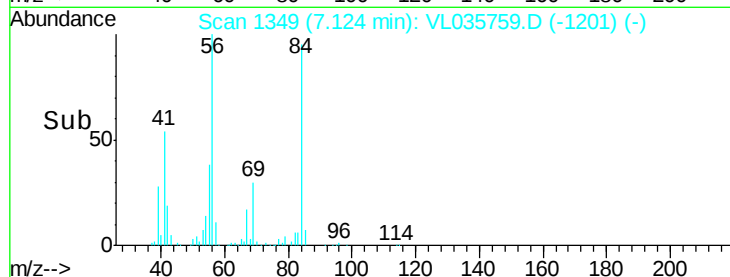
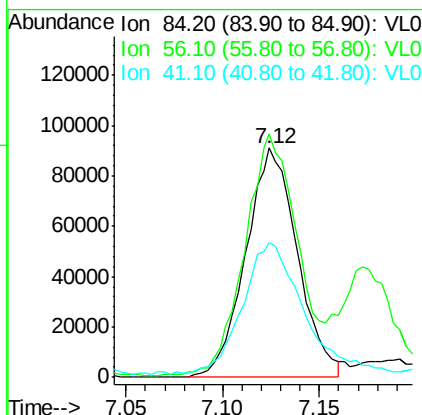
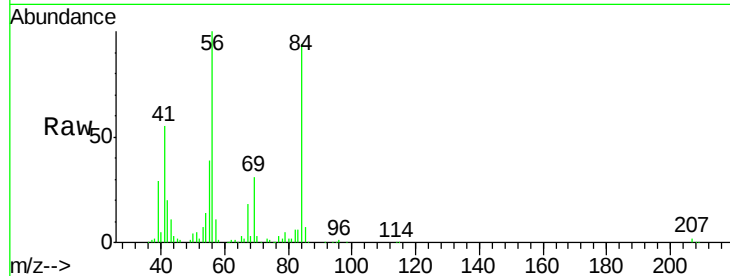
#30
Cyclohexane
Concen: 1.527 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. -0.02 min
Lab File: VL035759.D
Acq: 12 Oct 2020 13:19

Instrument :
MSVOA_L
ClientSampled :
1

Tot Ion	Ratio	Lower	Upper
84	100		
56	108.0	84.6	127.0
41	68.8	41.1	61.7#

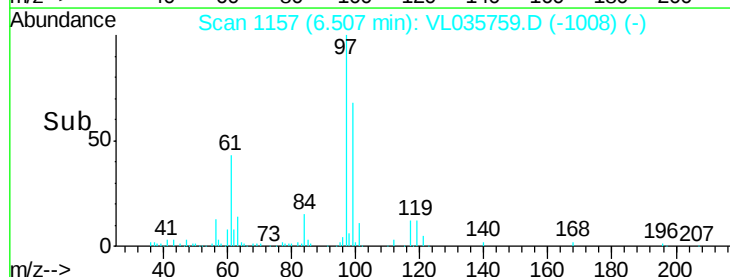
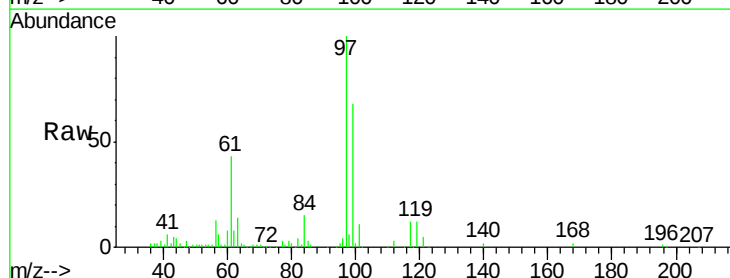
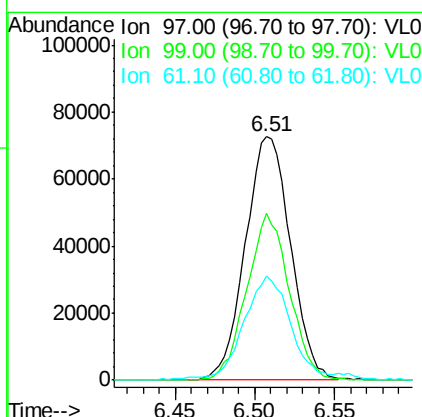
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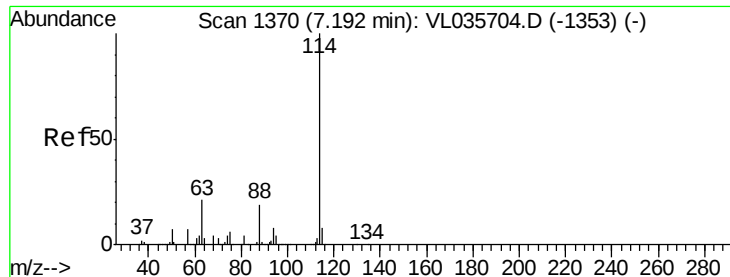
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#32
1,1,1-Trichloroethane
Concen: 0.706 ppbv
RT: 6.51 min Scan# 1157
Delta R.T. -0.02 min
Lab File: VL035759.D
Acq: 12 Oct 2020 13:19

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	52.7	79.1
61	46.0	32.7	49.1





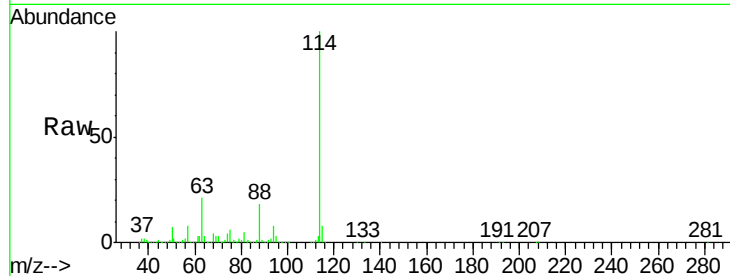
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.02 min
 Lab File: VL035759.D
 Acq: 12 Oct 2020 13:19

Instrument :
 MSVOA_L
 ClientSampled :
 1

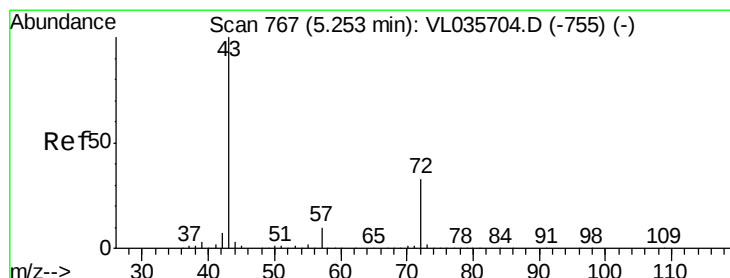
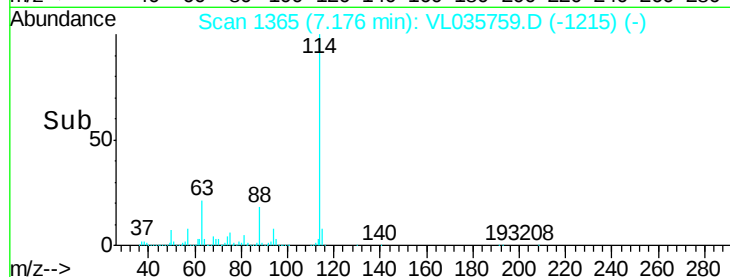
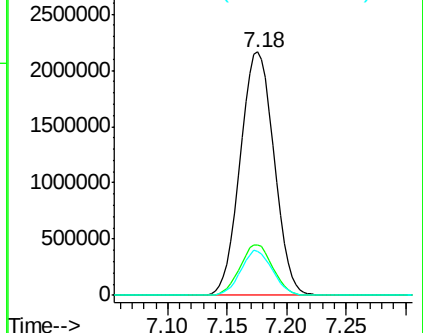
Tot Ion:114 Resp: 4269321
 Ion Ratio Lower Upper
 114 100
 63 20.2 16.1 24.1
 88 17.4 14.1 21.1

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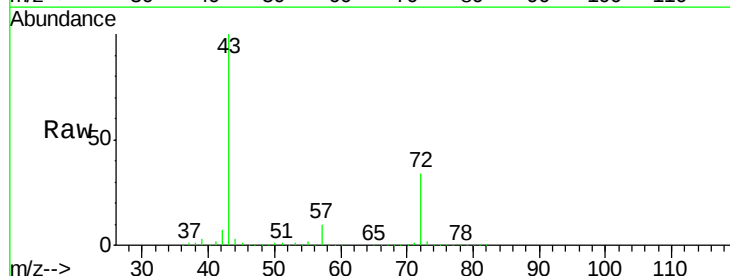


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

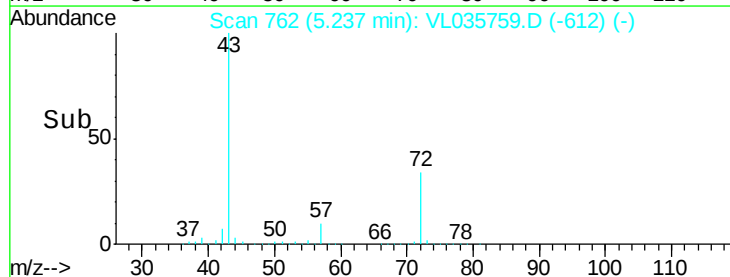
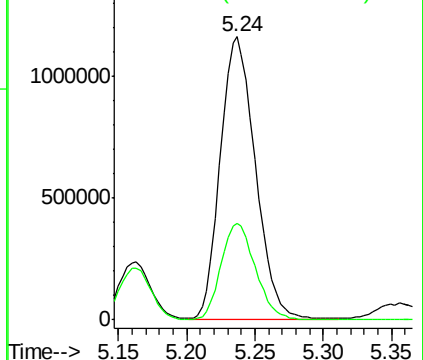


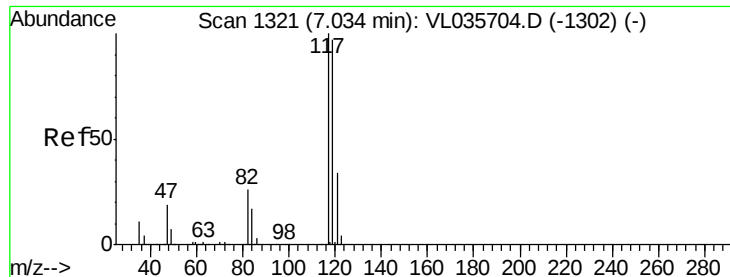
#34
 2-Butanone
 Concen: 14.702 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. -0.02 min
 Lab File: VL035759.D
 Acq: 12 Oct 2020 13:19

Tgt Ion: 43 Resp: 2076025
 Ion Ratio Lower Upper
 43 100
 72 33.1 26.1 39.1



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





#35

Carbon Tetrachloride

Concen: 0.061 ppbv m

RT: 7.02 min Scan# 1316

Delta R.T. -0.02 min

Lab File: VL035759.D

Acq: 12 Oct 2020 13:19

Instrument :

MSVOA_L

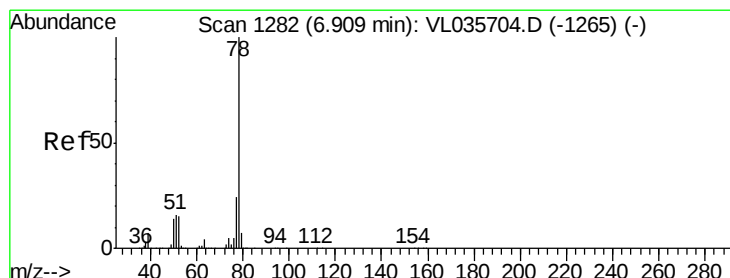
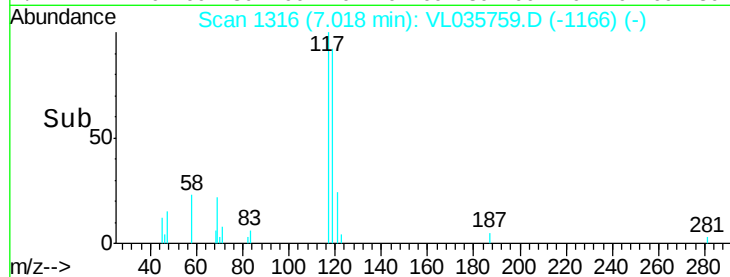
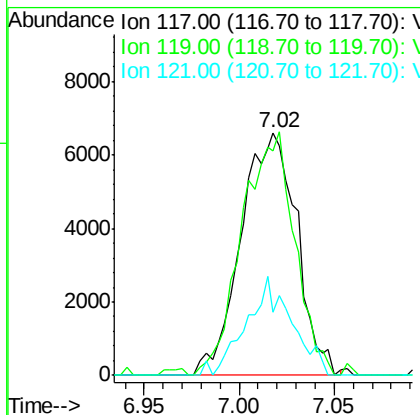
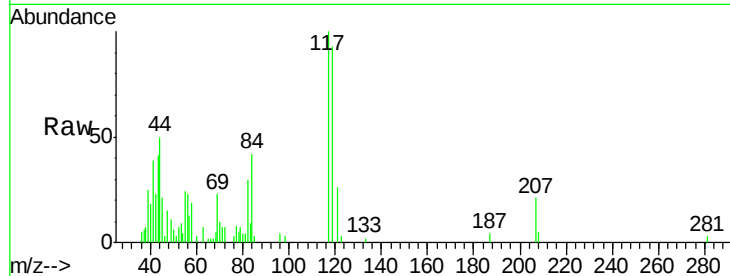
ClientSampled :

1

Tot Ion	Ion	Ratio	Resp	Lower	Upper
117	100		13491		
119	92.6	77.7	116.5		
121	25.8	26.9	40.3#		

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#36

Benzene

Concen: 3.441 ppbv

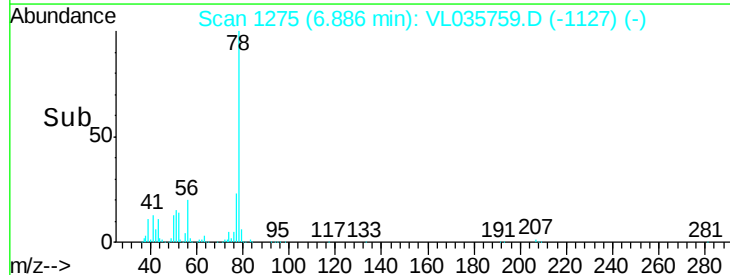
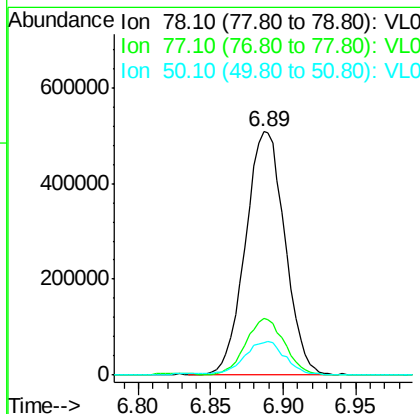
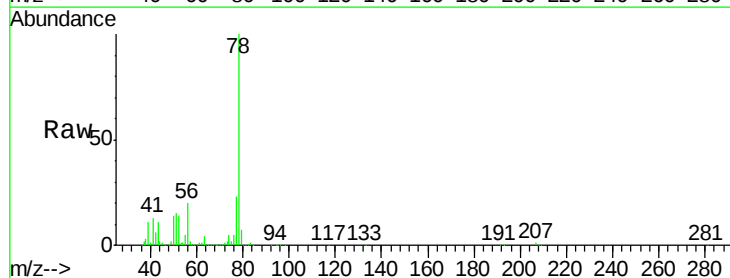
RT: 6.89 min Scan# 1275

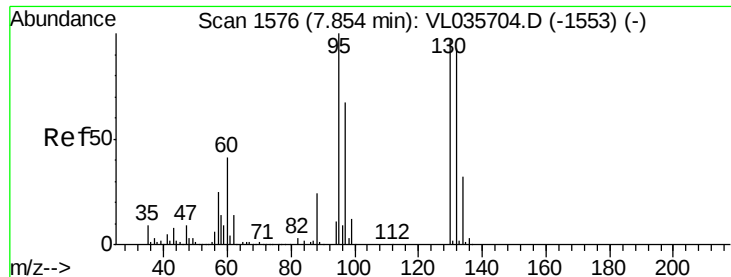
Delta R.T. -0.02 min

Lab File: VL035759.D

Acq: 12 Oct 2020 13:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
78	100		957243		
77	23.2	19.3	28.9		
50	13.2	11.6	17.4		





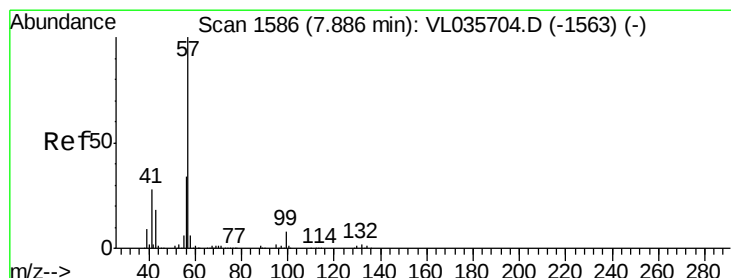
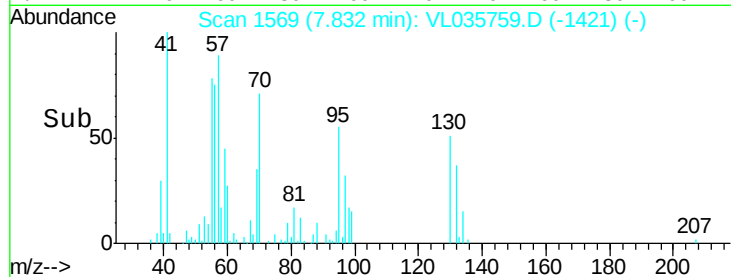
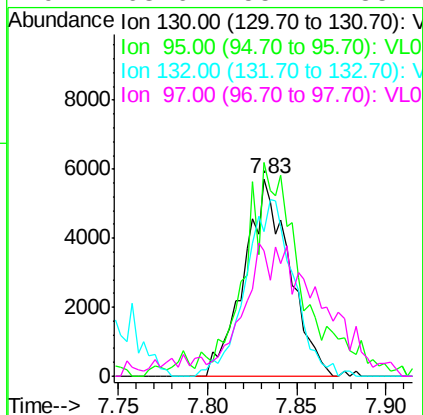
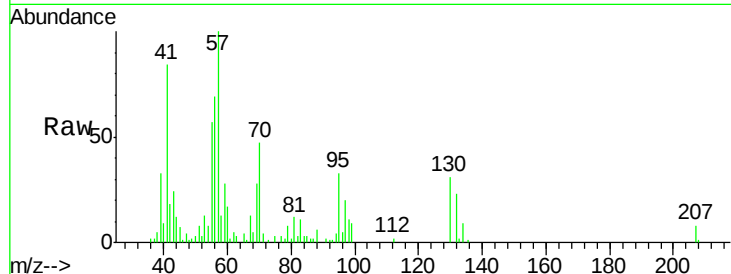
#38
 Trichloroethene
 Concen: 0.073 ppbv m
 RT: 7.83 min Scan# 1569
 Delta R.T. -0.02 min
 Lab File: VL035759.D
 Acq: 12 Oct 2020 13:19

Instrument :
 MSVOA_L
 ClientSampled :
 1

Tot Ion	Ratio	Lower	Upper
130	100		
95	108.1	82.4	123.6
132	73.0	76.8	115.2#
97	63.6	55.4	83.2

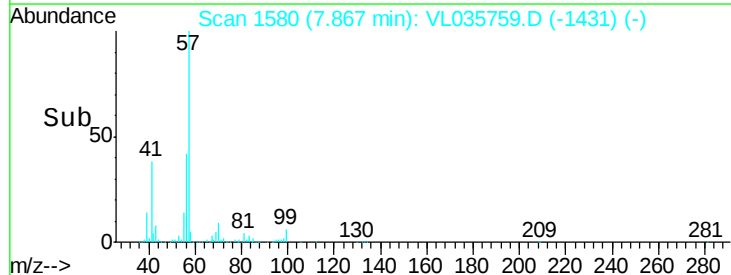
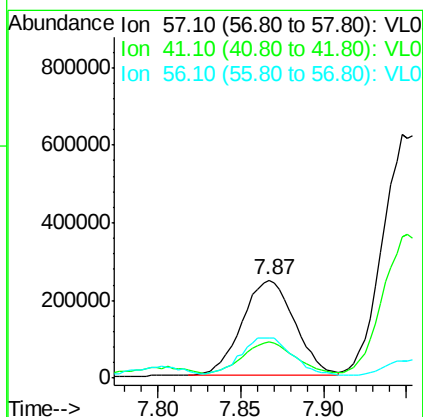
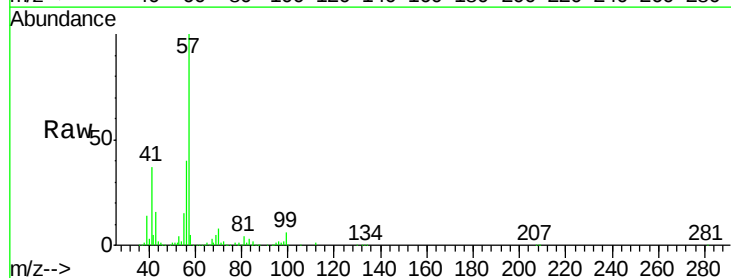
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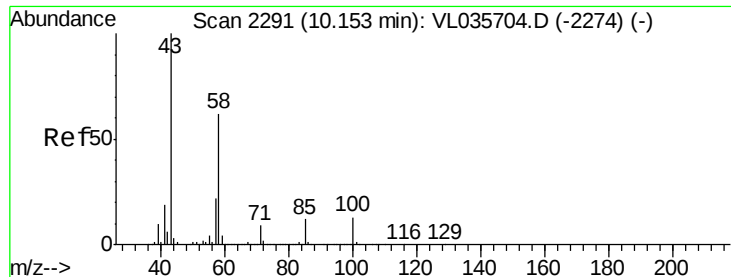
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#44
 2,2,4-Trimethylpentane
 Concen: 1.357 ppbv
 RT: 7.87 min Scan# 1580
 Delta R.T. -0.02 min
 Lab File: VL035759.D
 Acq: 12 Oct 2020 13:19

Tgt Ion	Ratio	Lower	Upper
57	100		
41	40.7	21.2	31.8#
56	44.8	25.8	38.8#





#51

2-Hexanone

Concen: 5.174 ppbv

RT: 10.16 min Scan# 2293

Delta R.T. 0.01 min

Lab File: VL035759.D

Acq: 12 Oct 2020 13:19

Instrument :

MSVOA_L

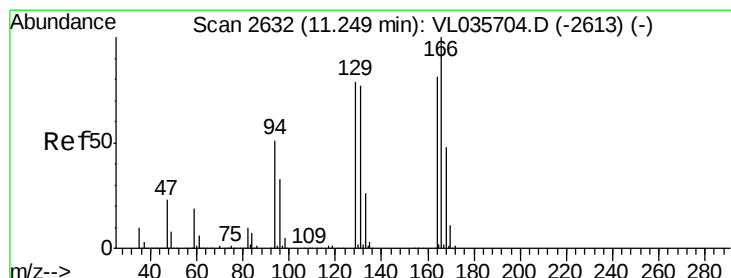
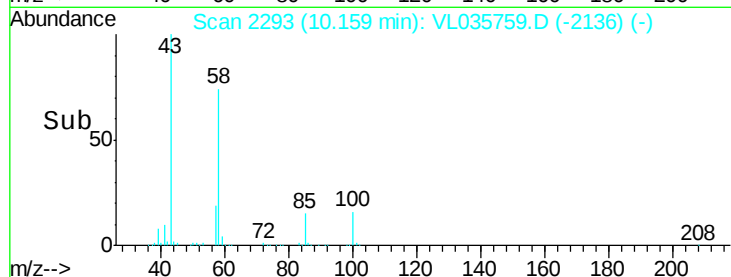
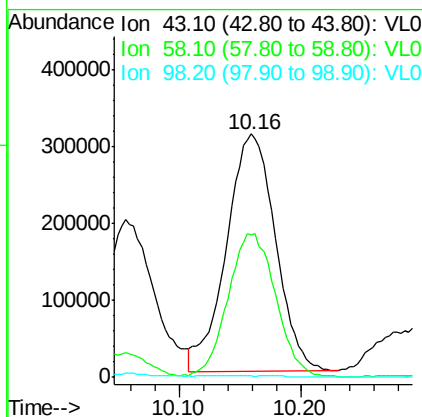
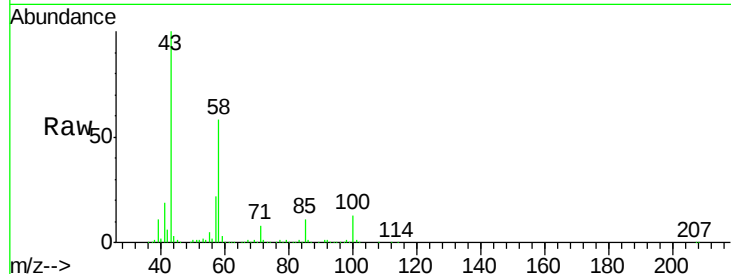
ClientSampled :

1

Tot Ion:	43	Resp:	859852
Ion Ratio	Lower	Upper	
43	100		
58	59.0	48.7	73.1
98	0.8	0.7	1.1

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#52

Tetrachloroethene

Concen: 0.820 ppbv

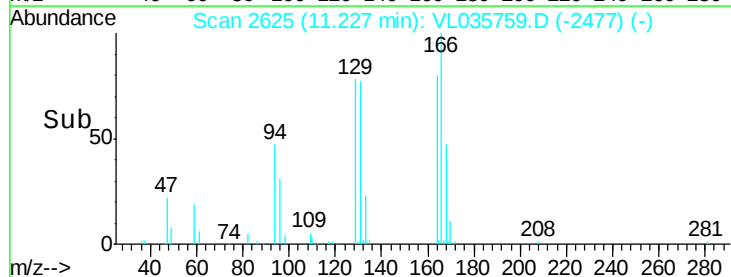
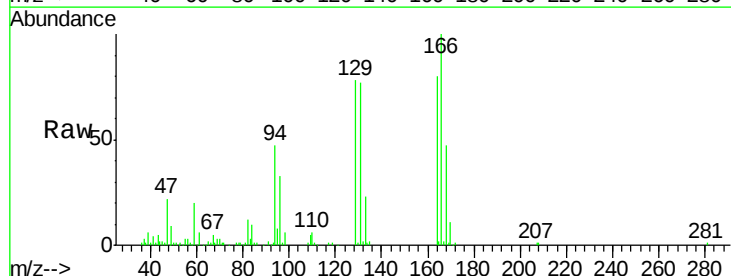
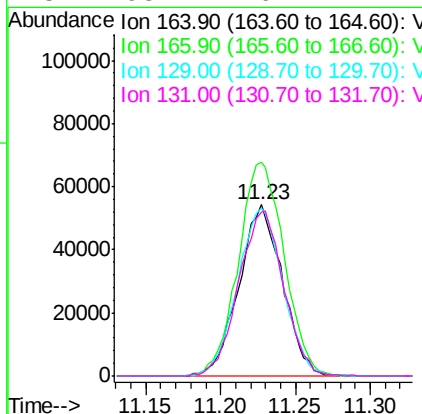
RT: 11.23 min Scan# 2625

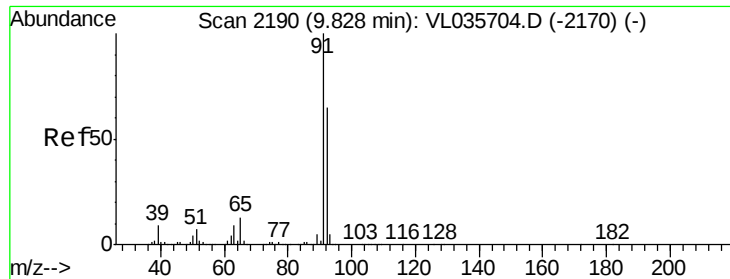
Delta R.T. -0.02 min

Lab File: VL035759.D

Acq: 12 Oct 2020 13:19

Tgt Ion:	164	Resp:	109665
Ion Ratio	Lower	Upper	
164	100		
166	124.2	98.7	148.1
129	97.1	78.4	117.6
131	95.7	76.2	114.2





#53

Toluene

Concen: 40.839 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. -0.02 min

Lab File: VL035759.D

Acq: 12 Oct 2020 13:19

Instrument :

MSVOA_L

ClientSampled :

1

Tot Ion: 91 Resp:13396605

Ion Ratio Lower Upper

91 100

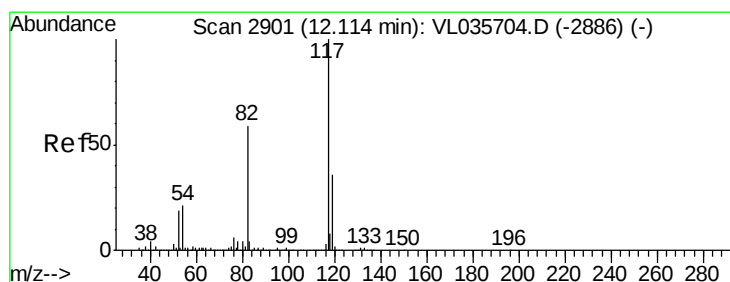
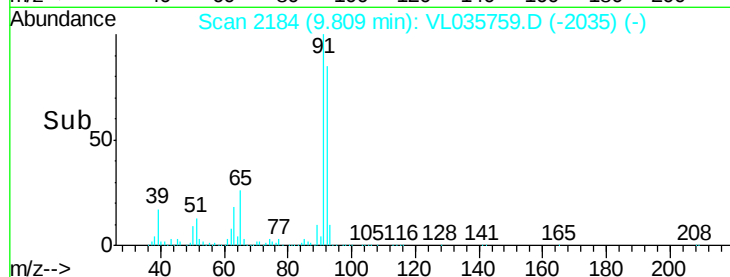
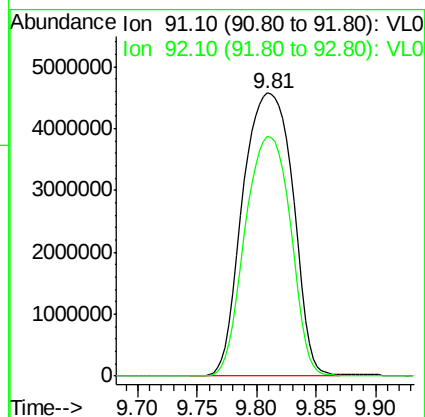
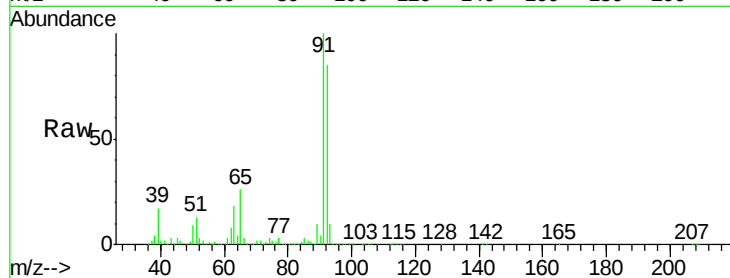
92 77.4 50.0 75.0#

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2895

Delta R.T. -0.02 min

Lab File: VL035759.D

Acq: 12 Oct 2020 13:19

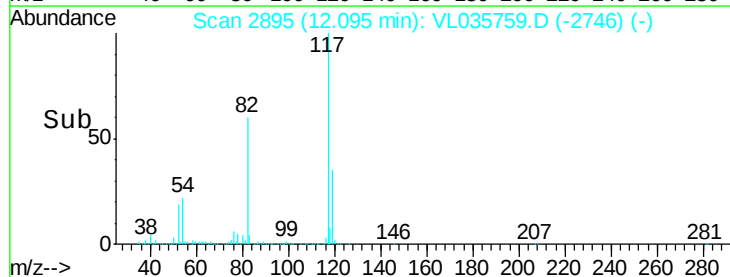
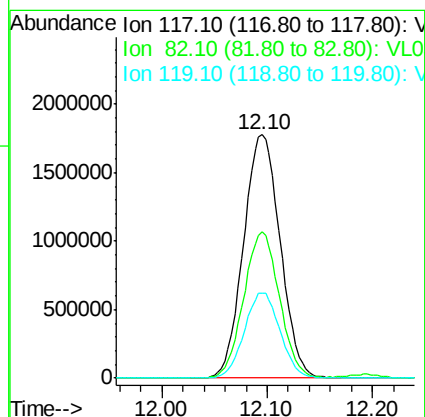
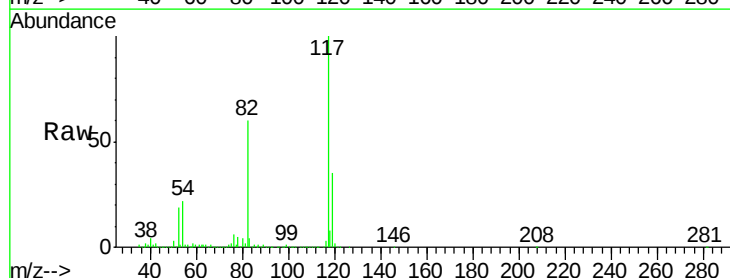
Tgt Ion:117 Resp: 4301377

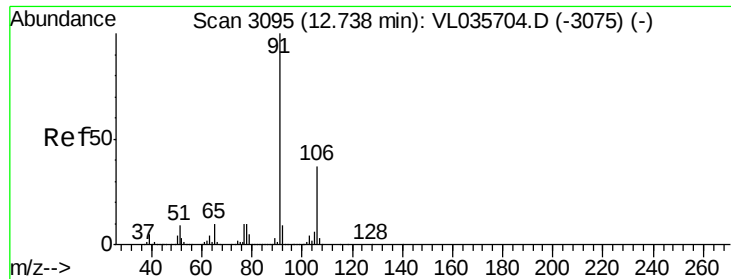
Ion Ratio Lower Upper

117 100

82 58.5 46.1 69.1

119 34.1 28.0 42.0





#58

Ethyl Benzene

Concen: 7.223 ppbv

RT: 12.72 min Scan# 3089

Delta R.T. -0.02 min

Lab File: VL035759.D

Acq: 12 Oct 2020 13:19

Instrument :

MSVOA_L

ClientSampled :

1

Tot Ion: 91 Resp: 3118179

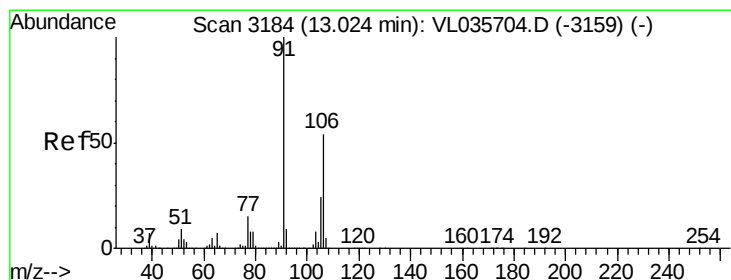
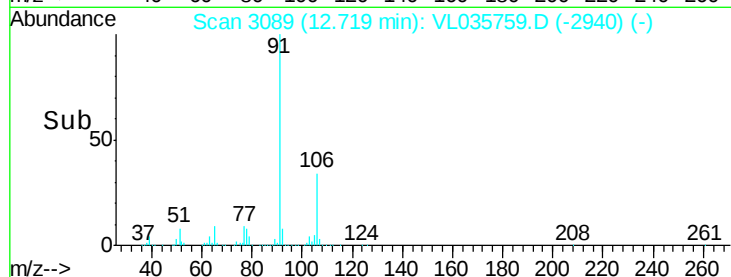
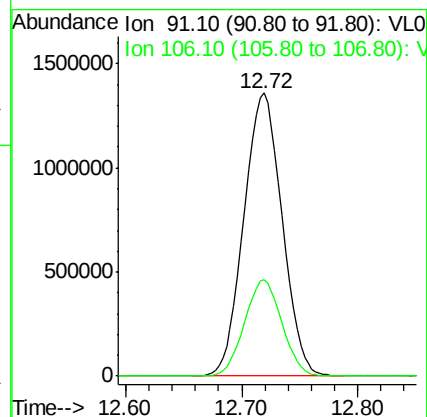
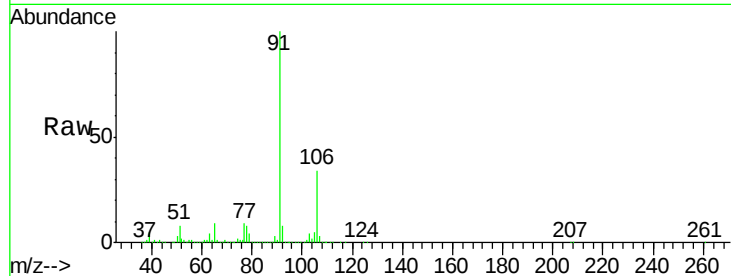
Ion Ratio Lower Upper

91 100

106 34.0 29.7 44.5

Manual Integrations
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#59

m/p-Xylene

Concen: 19.193 ppbv

RT: 12.98 min Scan# 3169

Delta R.T. -0.05 min

Lab File: VL035759.D

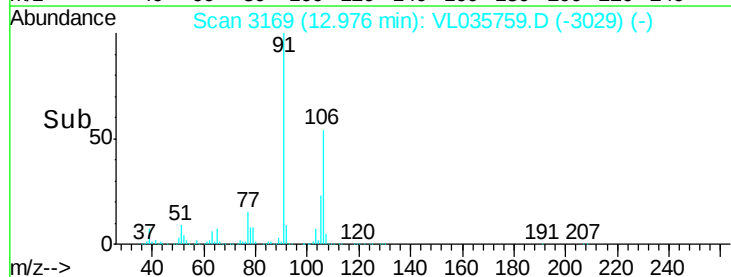
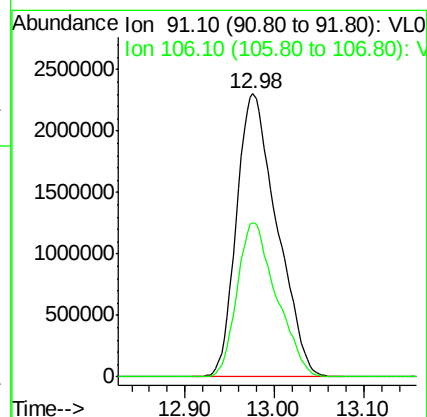
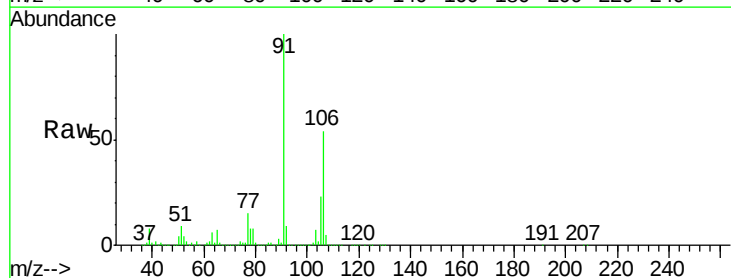
Acq: 12 Oct 2020 13:19

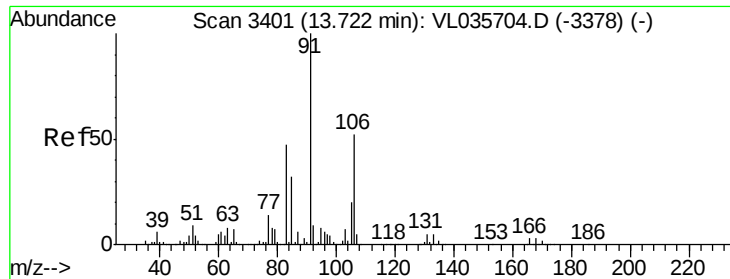
Tgt Ion: 91 Resp: 7236326

Ion Ratio Lower Upper

91 100

106 53.0 41.4 62.0





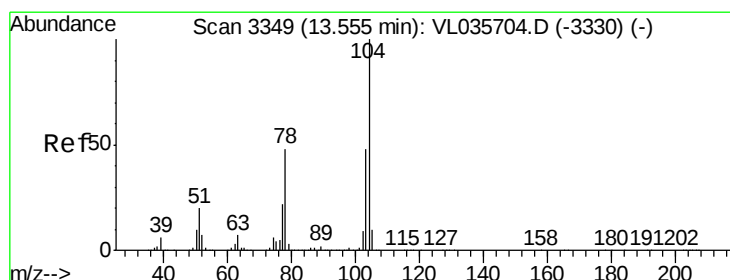
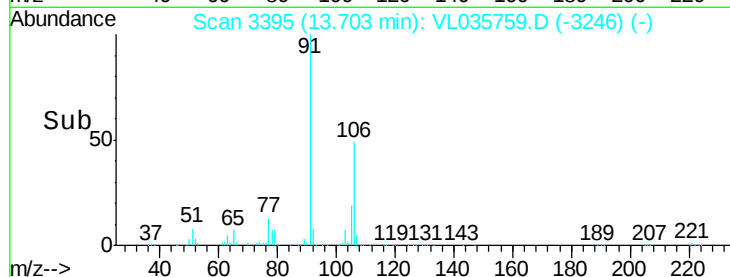
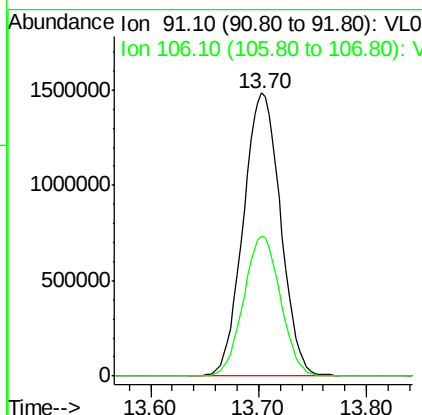
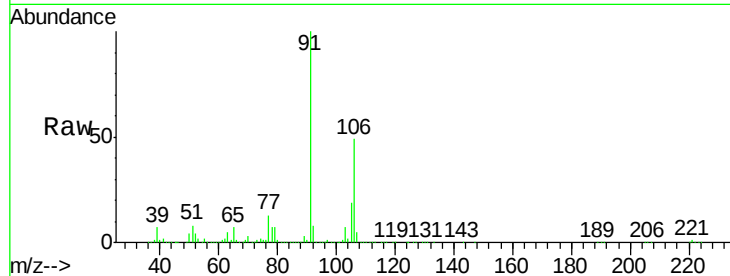
#60
o-Xylene
Concen: 9.295 ppbv
RT: 13.70 min Scan# 3395
Delta R.T. -0.02 min
Lab File: VL035759.D
Acq: 12 Oct 2020 13:19

Instrument :
MSVOA_L
ClientSampled :
1

Tot Ion: 91 Resp: 3544878
Ion Ratio Lower Upper
91 100
106 49.2 25.0 75.0

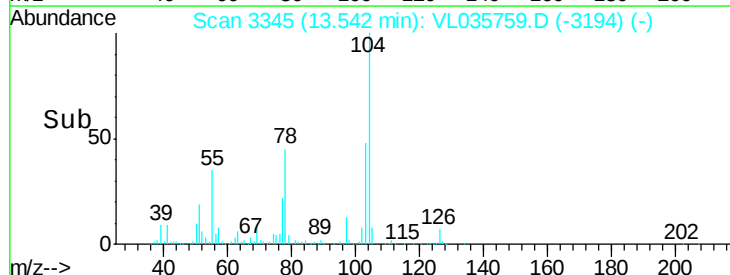
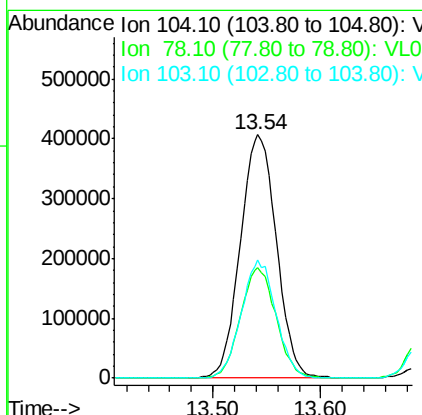
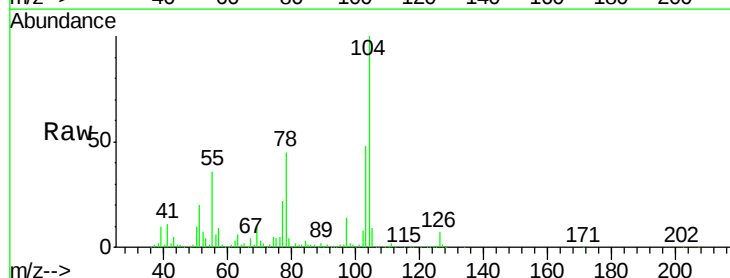
Manual Integrations
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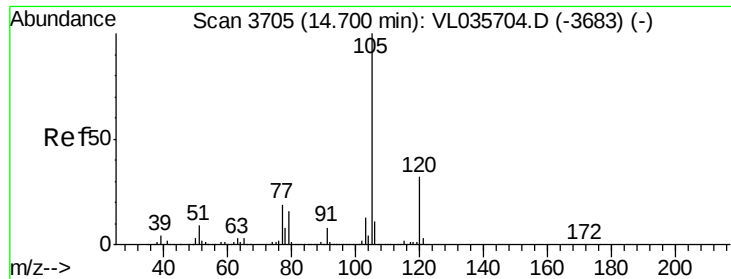
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#61
Styrene
Concen: 3.582 ppbv
RT: 13.54 min Scan# 3345
Delta R.T. -0.01 min
Lab File: VL035759.D
Acq: 12 Oct 2020 13:19

Tgt Ion: 104 Resp: 944538
Ion Ratio Lower Upper
104 100
78 44.6 37.2 55.8
103 46.7 38.2 57.2





#62

Isopropylbenzene

Concen: 0.261 ppbv

RT: 14.68 min Scan# 3700

Delta R.T. -0.02 min

Lab File: VL035759.D

Acq: 12 Oct 2020 13:19

Instrument :

MSVOA_L

ClientSampled :

1

Tot Ion:105 Resp: 154413

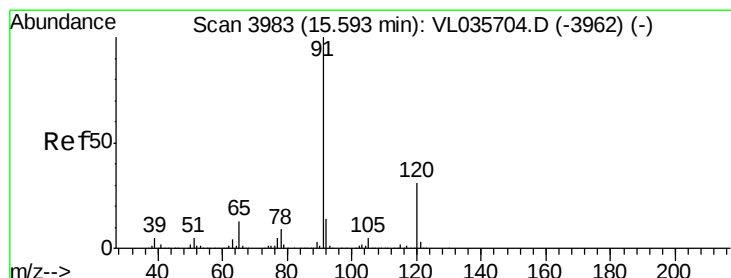
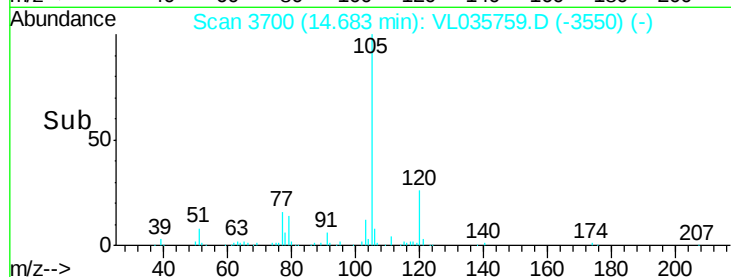
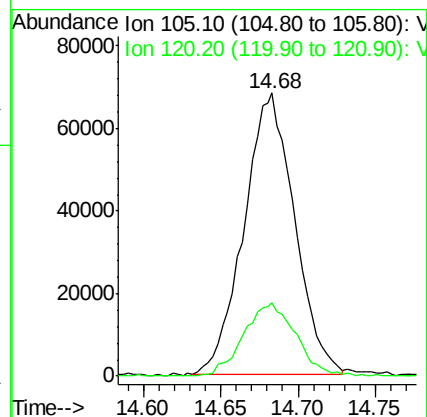
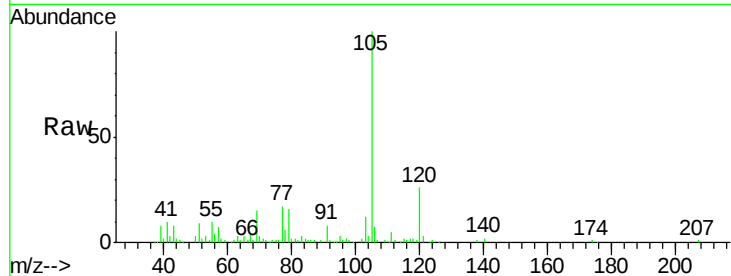
Ion Ratio Lower Upper

105 100

120 27.1 24.1 36.1

Manual Integrations
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#64

n-propylbenzene

Concen: 0.513 ppbv

RT: 15.58 min Scan# 3979

Delta R.T. -0.01 min

Lab File: VL035759.D

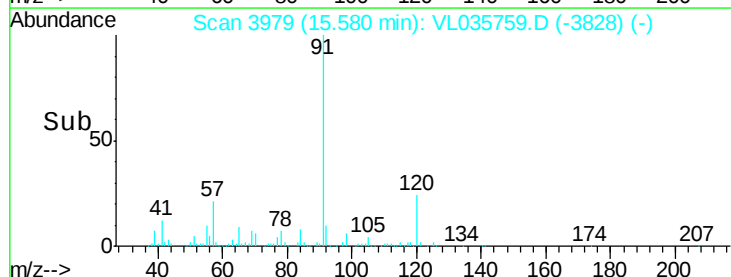
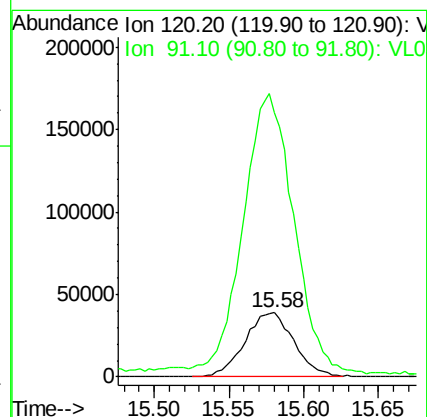
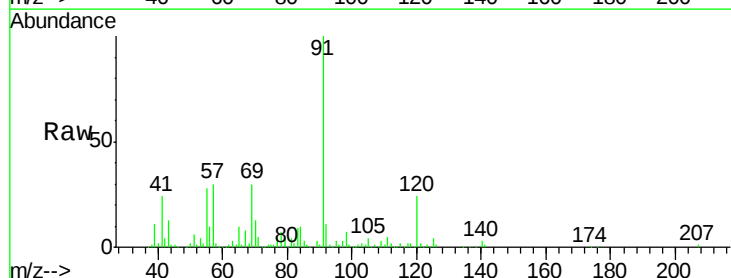
Acq: 12 Oct 2020 13:19

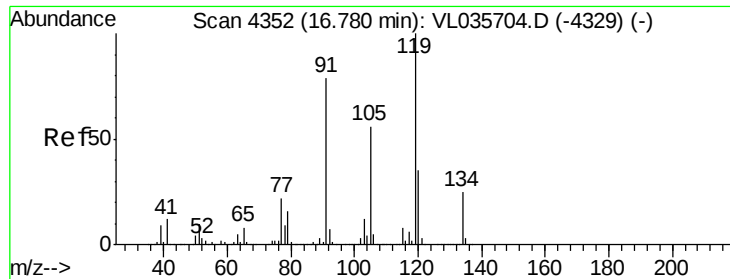
Tgt Ion:120 Resp: 88862

Ion Ratio Lower Upper

120 100

91 460.9 300.4 450.6#





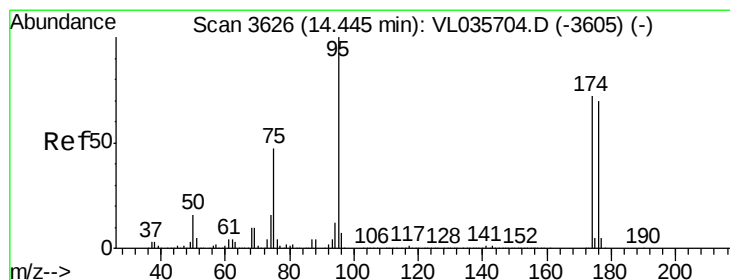
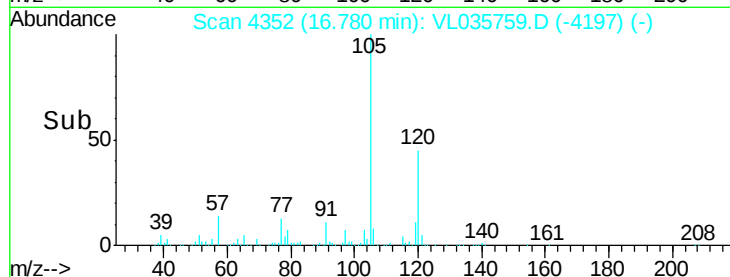
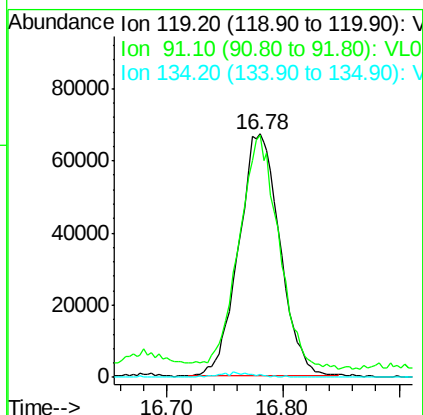
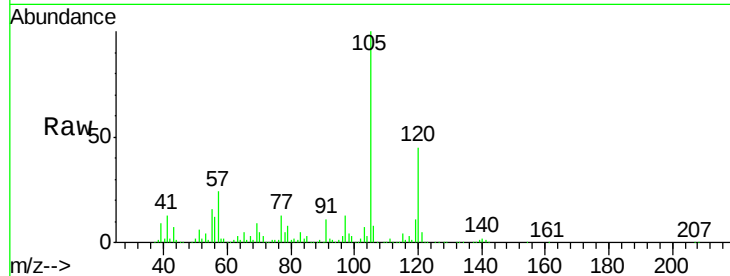
#65
tert-Butylbenzene
Concen: 0.308 ppbv
RT: 16.78 min Scan# 4352
Delta R.T. -0.00 min
Lab File: VL035759.D
Acq: 12 Oct 2020 13:19

Instrument :
MSVOA_L
ClientSampled :
1

Tot Ion	Ratio	Resp	Lower	Upper
119	100	165462		
91	95.1	62.4	93.6#	
134	2.0	18.2	27.2#	

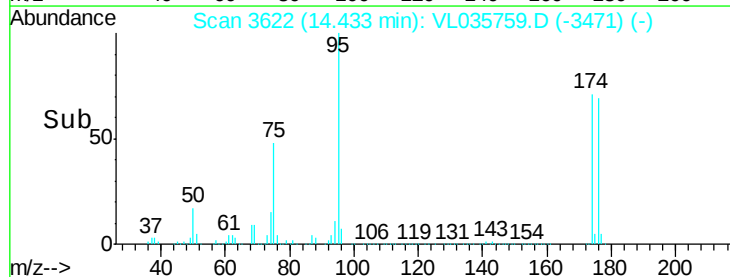
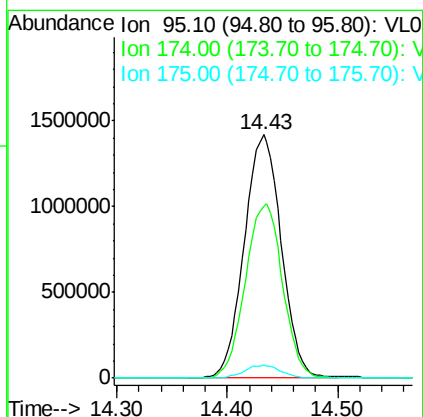
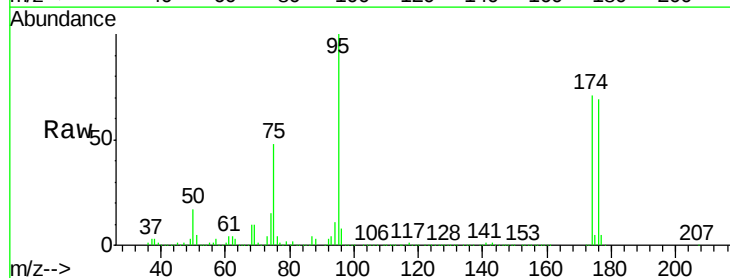
Manual Integrations
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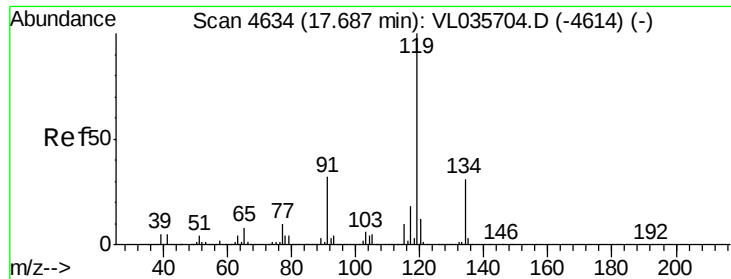
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#68
1-Bromo-4-Fluorobenzene
Concen: 10.236 ppbv
RT: 14.43 min Scan# 3622
Delta R.T. -0.01 min
Lab File: VL035759.D
Acq: 12 Oct 2020 13:19

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	3299375		
174	72.1	59.6	89.4	
175	5.2	4.2	6.4	





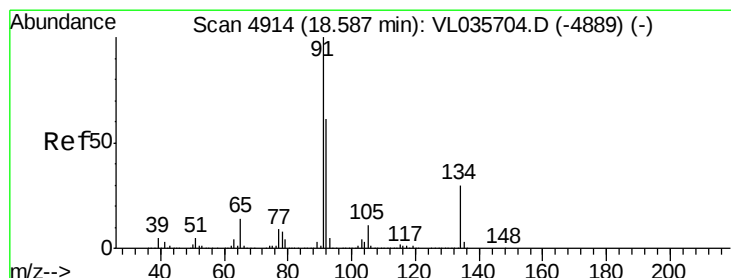
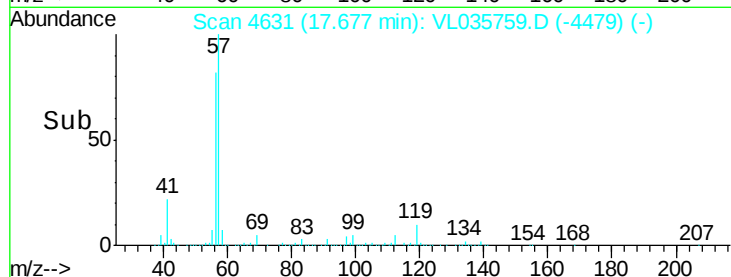
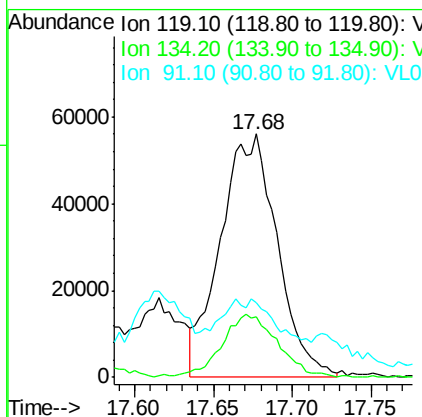
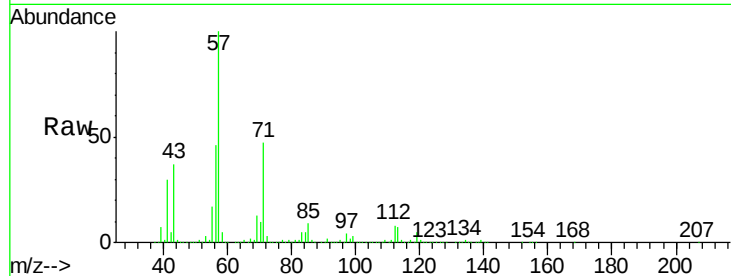
#69
p-Isopropyltoluene
Concen: 0.233 ppbv m
RT: 17.68 min Scan# 4631
Delta R.T. -0.01 min
Lab File: VL035759.D
Acq: 12 Oct 2020 13:19

Instrument :
MSVOA_L
ClientSampled :
1

Tot Ion	Ratio	Resp	Lower	Upper
119	100	140648		
134	0.0	23.9	35.9#	
91	0.0	23.8	35.6#	

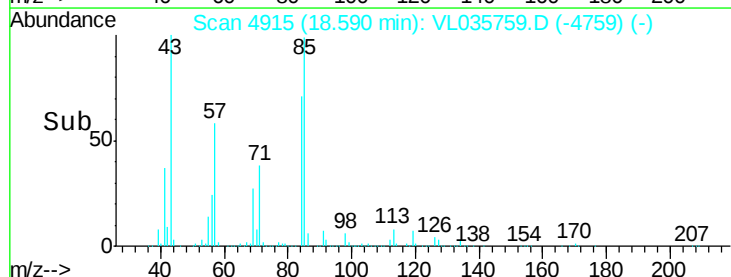
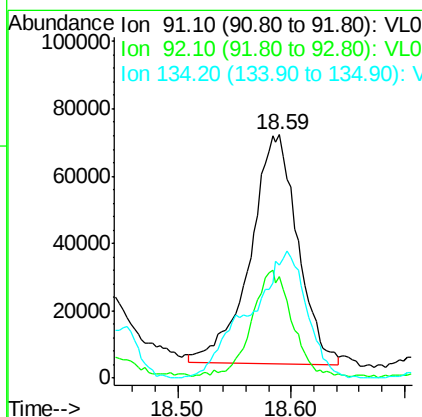
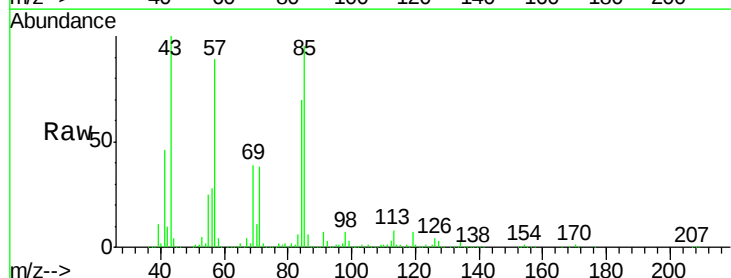
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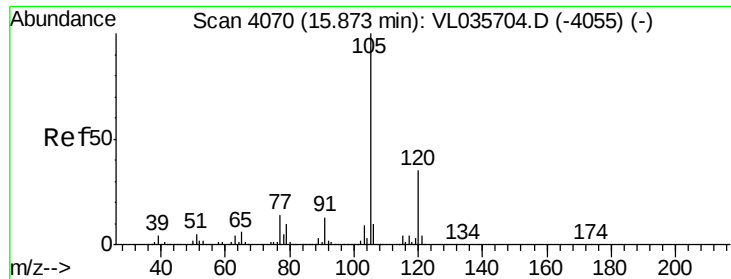
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#70
n-Butylbenzene
Concen: 0.319 ppbv
RT: 18.59 min Scan# 4915
Delta R.T. 0.00 min
Lab File: VL035759.D
Acq: 12 Oct 2020 13:19

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	198257		
92	40.4	47.0	70.4#	
134	67.4	21.9	32.9#	





#72

4-Ethyltoluene

Concen: 0.938 ppbv

RT: 15.85 min Scan# 4064

Delta R.T. -0.02 min

Lab File: VL035759.D

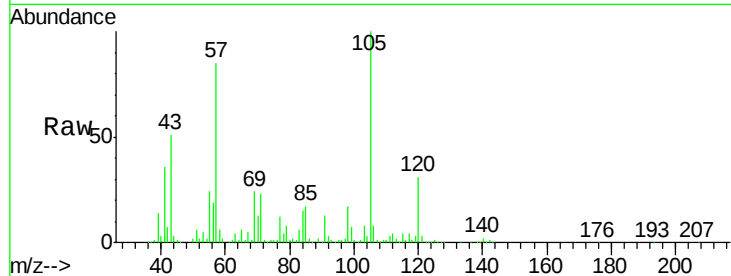
Acq: 12 Oct 2020 13:19

Instrument :

MSVOA_L

ClientSampled :

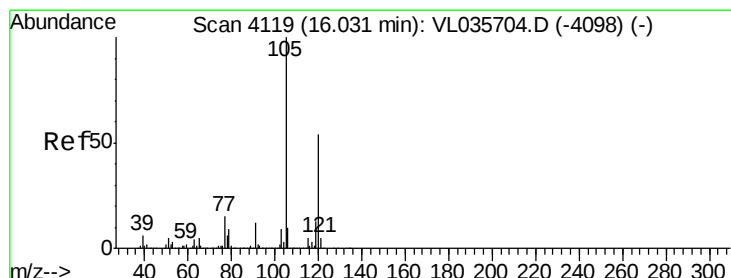
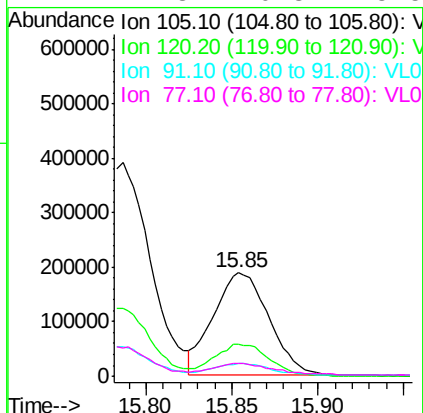
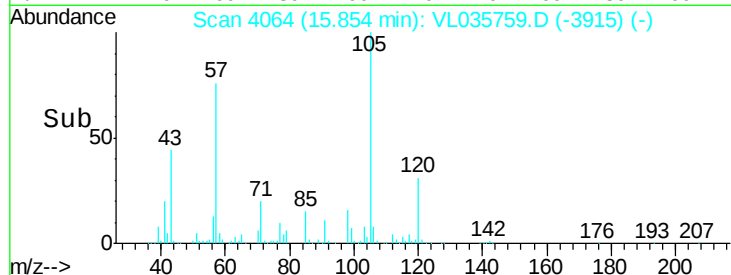
1



Tot Ion	Ion	Ratio	Resp	Lower	Upper
105	105	100	423905		
120	120	32.3		26.5	39.7
91	91	13.2		10.2	15.2
77	77	12.3		10.3	15.5

Manual Integrations
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#73

1,3,5-Trimethylbenzene

Concen: 0.893 ppbv

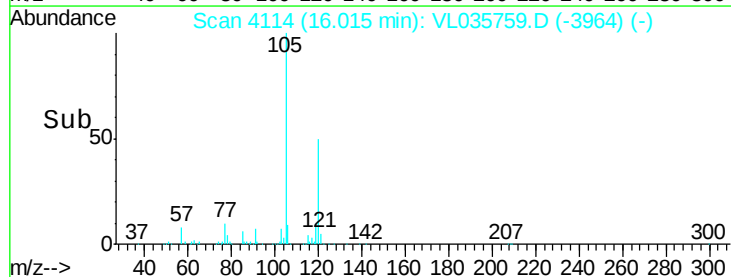
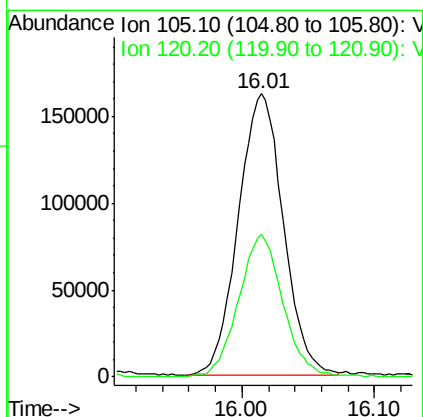
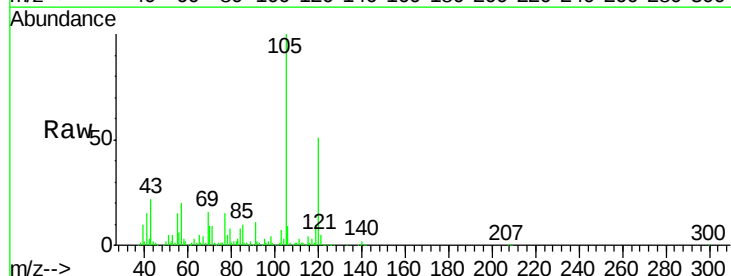
RT: 16.01 min Scan# 4114

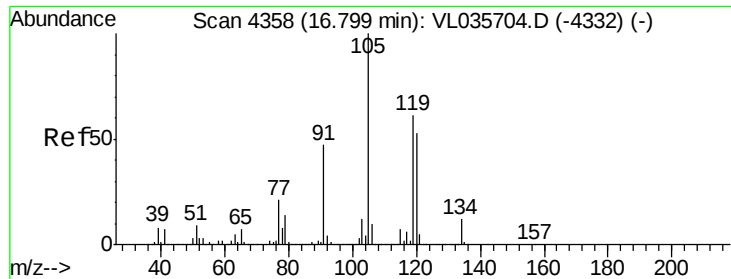
Delta R.T. -0.02 min

Lab File: VL035759.D

Acq: 12 Oct 2020 13:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	105	100	381207		
120	120	50.6		43.0	64.4





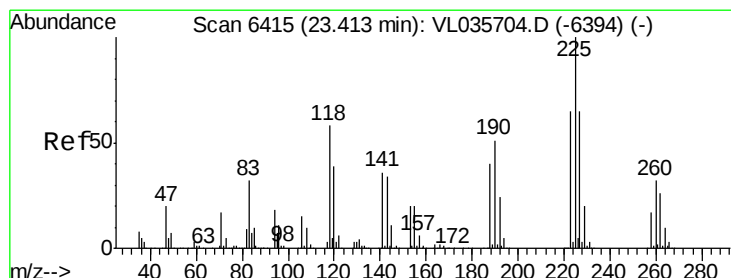
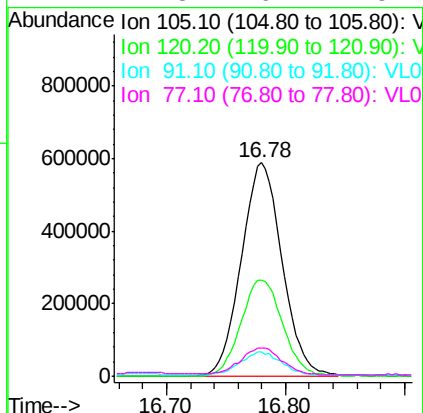
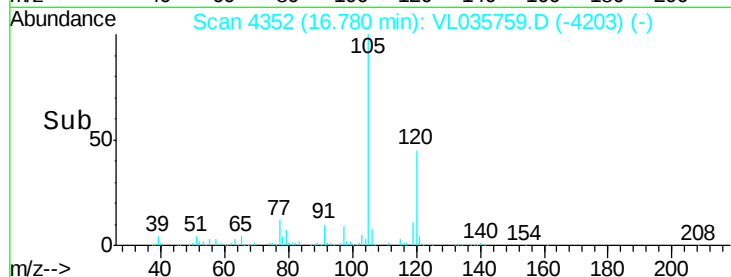
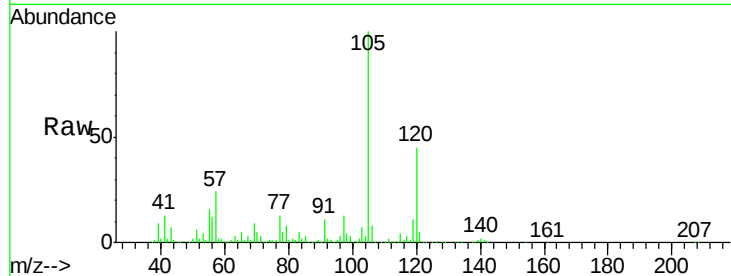
#74
 1,2,4-Trimethylbenzene
 Concen: 2.896 ppbv
 RT: 16.78 min Scan# 4352
 Delta R.T. -0.02 min
 Lab File: VL035759.D
 Acq: 12 Oct 2020 13:19

Instrument :
 MSVOA_L
 ClientSampled :
 1

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.0	42.5	63.7
91	10.9	37.7	56.5#
77	12.8	16.7	25.1#

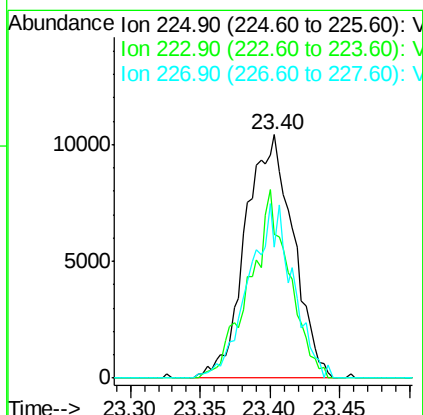
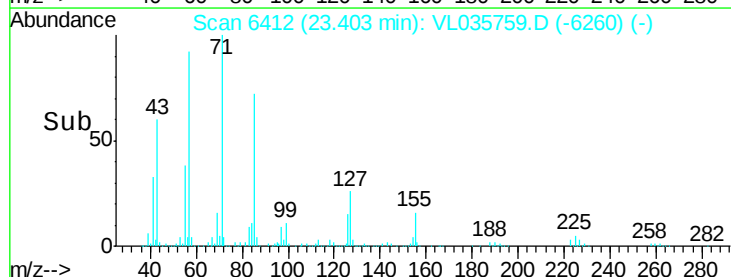
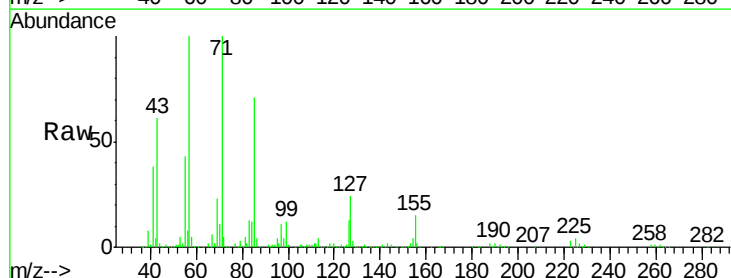
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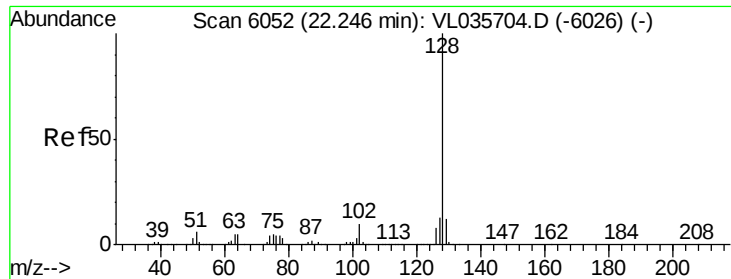
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#78
 Hexachloro-1,3-Butadiene
 Concen: 0.145 ppbv
 RT: 23.40 min Scan# 6412
 Delta R.T. -0.01 min
 Lab File: VL035759.D
 Acq: 12 Oct 2020 13:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	0.0	51.3	76.9#
227	0.0	51.6	77.4#





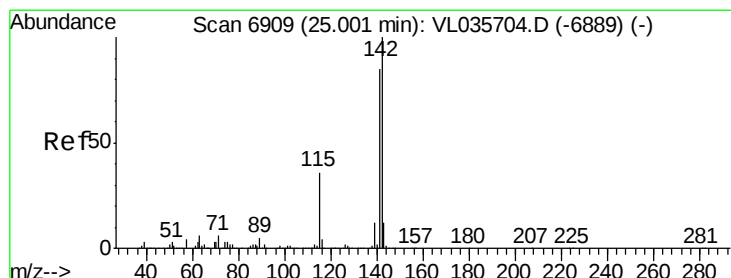
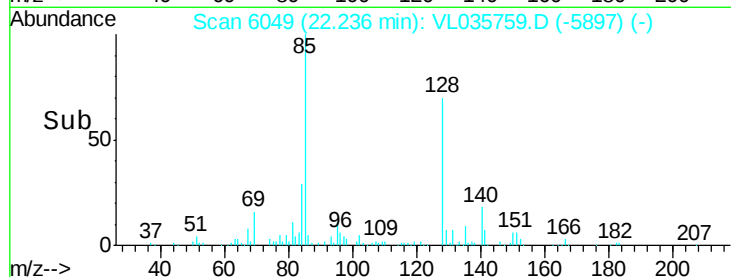
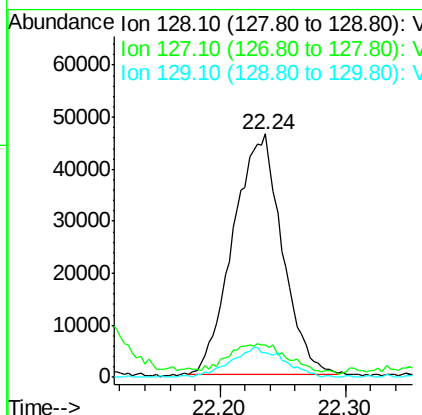
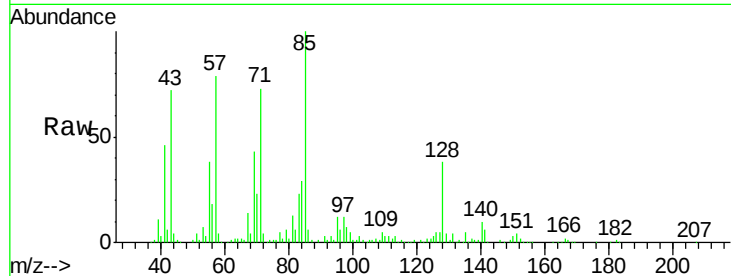
#79
Naphthalene
Concen: 0.275 ppbv
RT: 22.24 min Scan# 6049
Delta R.T. -0.01 min
Lab File: VL035759.D
Acq: 12 Oct 2020 13:19

Instrument :
MSVOA_L
ClientSampled :
1

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.6	15.8
129	10.1	9.4	14.0

Manual Integrations
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#80
Naphthalene, 2-methyl-
Concen: 0.231 ppbv
RT: 24.99 min Scan# 6905
Delta R.T. -0.01 min
Lab File: VL035759.D
Acq: 12 Oct 2020 13:19

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.7	68.2	102.4
115	45.8	27.8	41.6#

