

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051220\
 Data File : VL034997.D
 Acq On : 12 May 2020 21:38
 Operator : SY/AP
 Sample : L2567-05
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-3

Manual Integrations
 APPROVED

MMDadoda
 5/13/2020 5:12:22 PM

Quant Time: May 14 14:00:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 0
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1035826	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2521935	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2374691	10.00	ppbv	-0.01

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.44	95	1979459	10.30	ppbv	-0.02	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.00	85	41861	0.285	ppbv	99
3) Chlorodifluoromethane	2.94	51	26097m	0.221	ppbv	
4) Chloromethane	3.10	50	39243	0.579	ppbv	95
9) Propene	2.96	41	281772	5.491	ppbv	85
10) Heptane	8.12	43	417222	3.245	ppbv	99
11) Trichlorofluoromethane	3.91	101	42385	0.280	ppbv	91
13) Ethanol	3.60	45	845439	49.926	ppbv	100
15) Acetone	3.81	43	3597431m	26.270	ppbv	
19) Isopropyl Alcohol	3.96	45	5710936	62.535	ppbv #	98
20) Methylene Chloride	4.33	84	161285	3.558	ppbv #	89
26) Hexane	5.66	57	964332	9.670	ppbv #	68
30) Cyclohexane	7.12	84	178563	2.320	ppbv	95
34) 2-Butanone	5.23	43	377634	2.409	ppbv	99
35) Carbon Tetrachloride	7.02	117	8747m	0.055	ppbv	
36) Benzene	6.89	78	484058	2.328	ppbv	98
38) Trichloroethene	7.83	130	20282m	0.252	ppbv	
41) Tetrahydrofuran	6.03	42	690233	8.364	ppbv	99
43) Methyl Methacrylate	8.02	69	38398m	0.437	ppbv	
44) 2,2,4-Trimethylpentane	7.86	57	855521	2.314	ppbv #	84
50) 4-Methyl-2-Pentanone	8.76	43	106972	0.479	ppbv	99
52) Tetrachloroethene	11.25	164	118236m	1.599	ppbv	
53) Toluene	9.84	91	21259403	96.452	ppbv #	69
58) Ethyl Benzene	12.73	91	2869666	9.772	ppbv	99
59) m/p-Xylene	12.99	91	7159577	27.711	ppbv #	62
60) o-Xylene	13.72	91	2247288	8.815	ppbv	100
61) Styrene	13.55	104	5477430	33.949	ppbv	98
62) Isopropylbenzene	14.70	105	80590m	0.212	ppbv	
64) n-propylbenzene	15.58	120	47923m	0.491	ppbv	
65) tert-Butylbenzene	16.79	119	91725m	0.278	ppbv	
70) n-Butylbenzene	18.59	91	64191m	0.158	ppbv	
72) 4-Ethyltoluene	15.86	105	286453	1.007	ppbv	98
73) 1,3,5-Trimethylbenzene	16.02	105	232228	0.839	ppbv	100
74) 1,2,4-Trimethylbenzene	16.79	105	842068	2.787	ppbv #	73
79) Naphthalene	22.24	128	82323m	0.350	ppbv	
80) Naphthalene,2-methyl-	25.00	142	15735	0.272	ppbv #	77

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

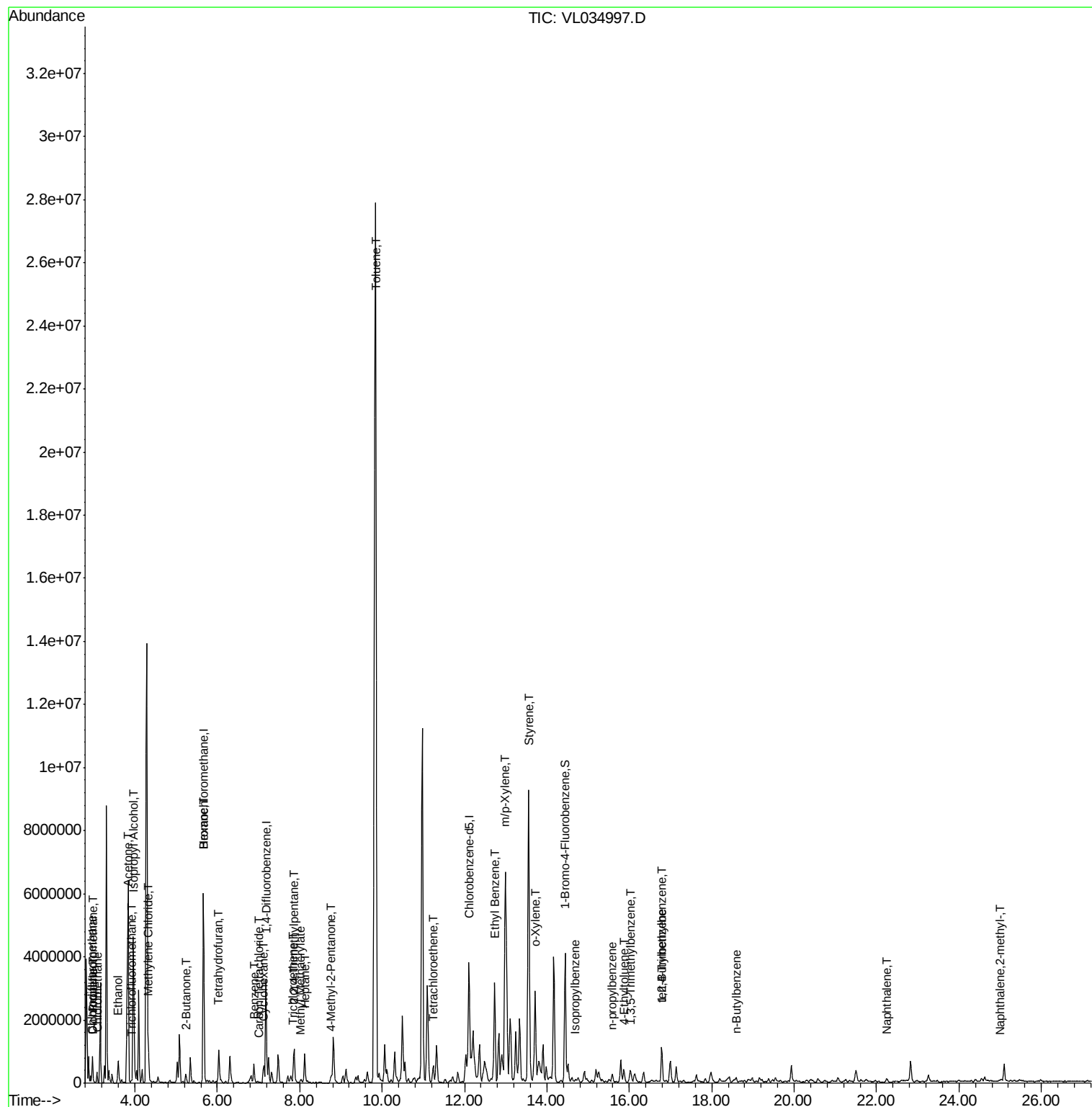
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051220\
Data File : VL034997.D
Acq On : 12 May 2020 21:38
Operator : SY/AP
Sample : L2567-05
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

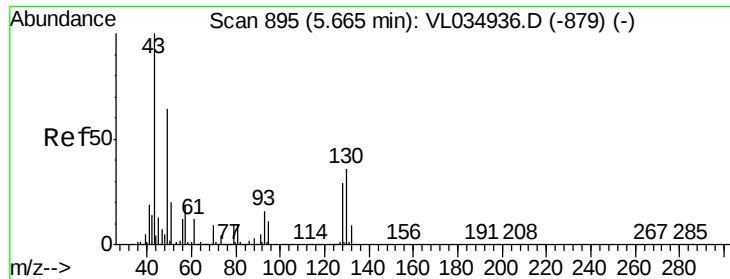
Instrument :
MSVOA_L
ClientSampleId :
IA-3

Manual Integrations
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Quant Time: May 14 14:00:40 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed May
QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.00 min

Lab File: VL034997.D

Acq: 12 May 2020 21:38

Instrument :

MSVOA_L

ClientSampled :

IA-3

Tot Ion: 49 Resp: 1035826

Ion Ratio Lower Upper

49 100

128 45.4 22.1 66.5

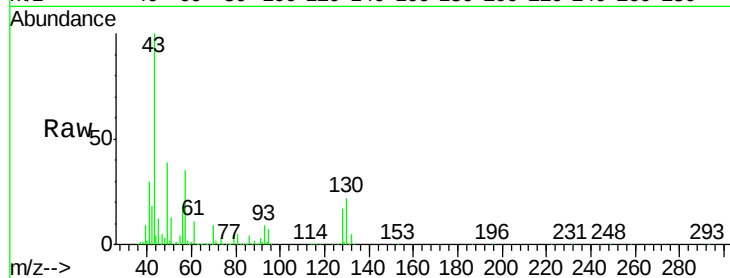
130 57.5 29.1 87.3

Manual Integrations

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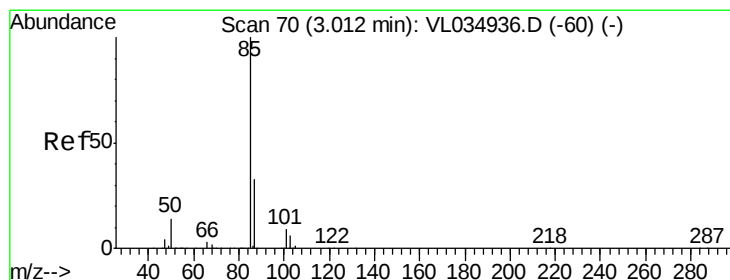
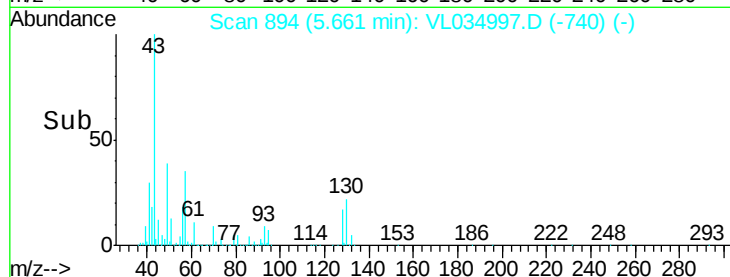
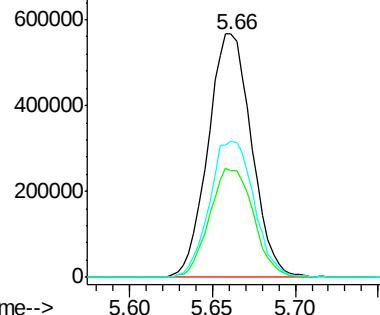
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.285 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL034997.D

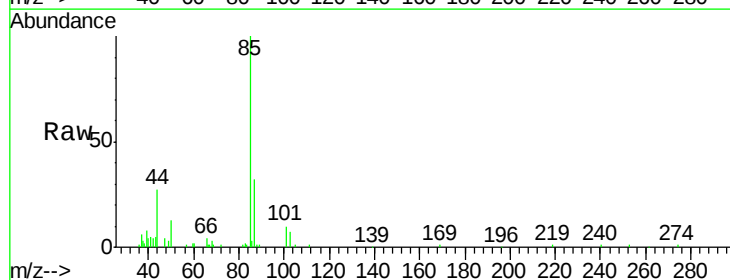
Acq: 12 May 2020 21:38

Tgt Ion: 85 Resp: 41861

Ion Ratio Lower Upper

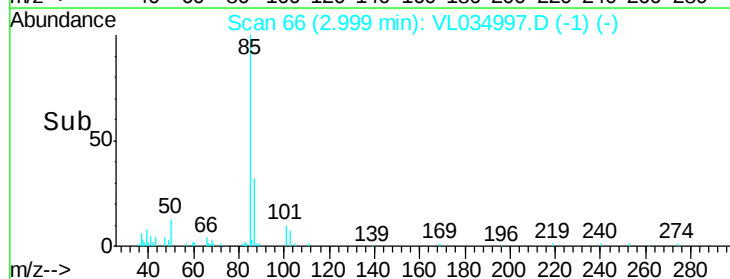
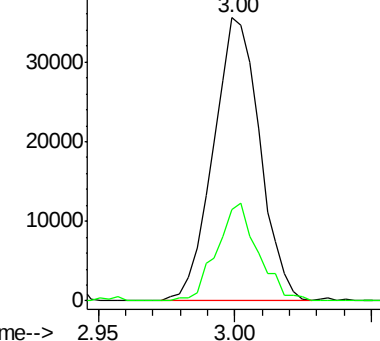
85 100

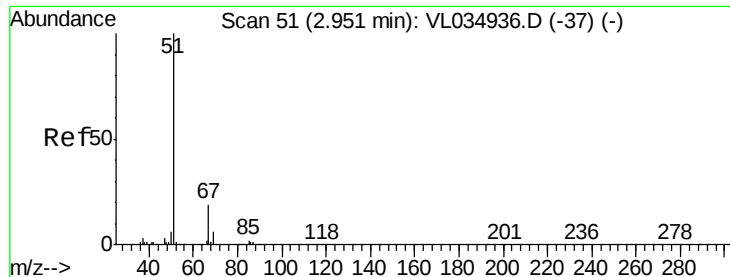
87 32.4 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.221 ppbv

RT: 2.94 min Scan# 47

Delta R.T. -0.01 min

Lab File: VL034997.D

Acq: 12 May 2020 21:38

Instrument :

MSVOA_L

ClientSampleId :

IA-3

Tot Ion: 51 Resp: 26097

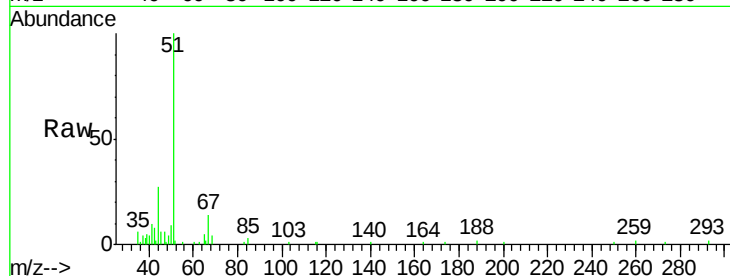
Ion Ratio Lower Upper

51 100

67 24.7 15.0 22.6#

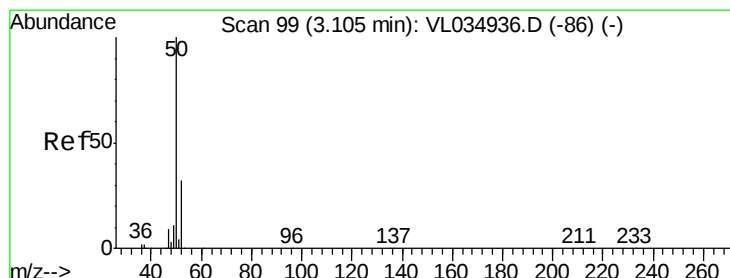
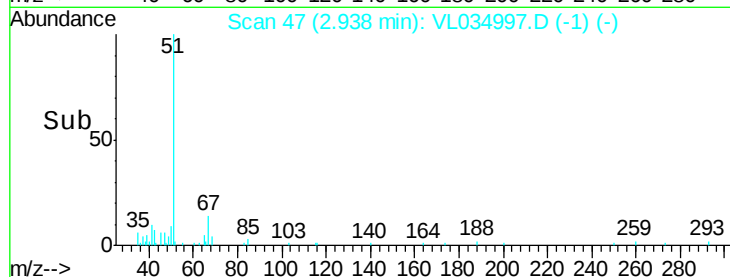
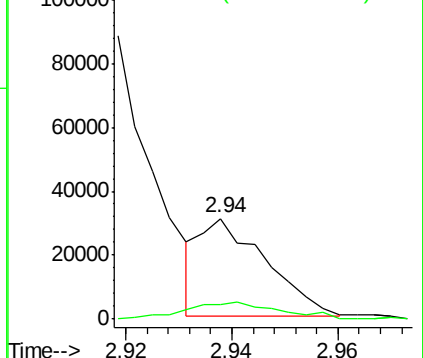
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.579 ppbv

RT: 3.10 min Scan# 96

Delta R.T. -0.01 min

Lab File: VL034997.D

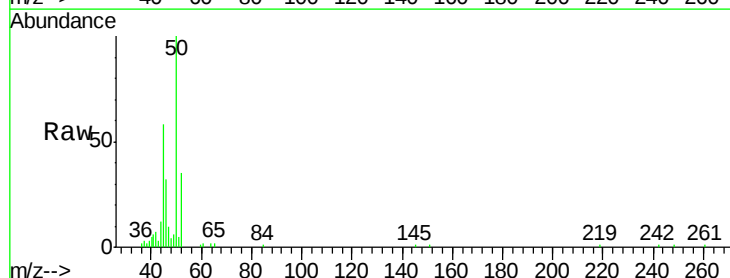
Acq: 12 May 2020 21:38

Tgt Ion: 50 Resp: 39243

Ion Ratio Lower Upper

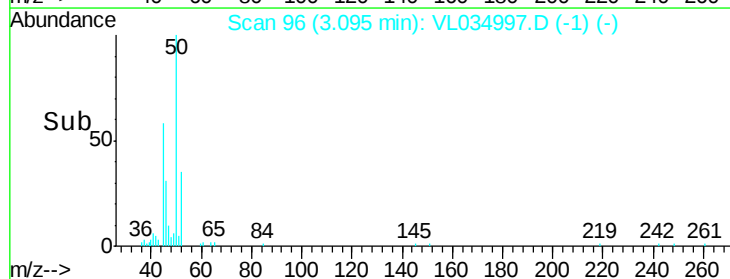
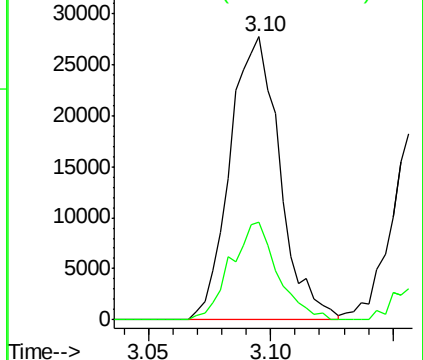
50 100

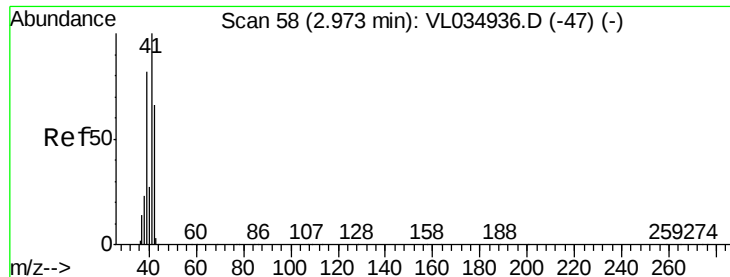
52 34.7 25.4 38.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 5.491 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.01 min

Lab File: VL034997.D

Acq: 12 May 2020 21:38

Instrument :

MSVOA_L

ClientSampleId :

IA-3

Tot Ion: 41 Resp: 281772

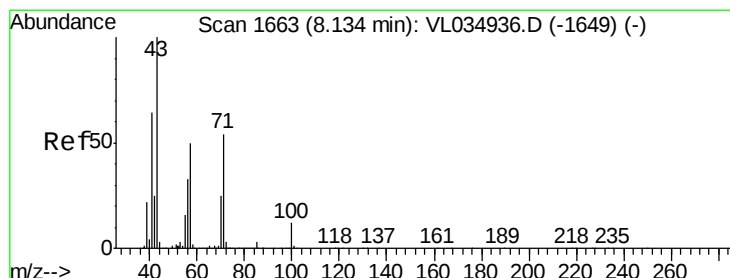
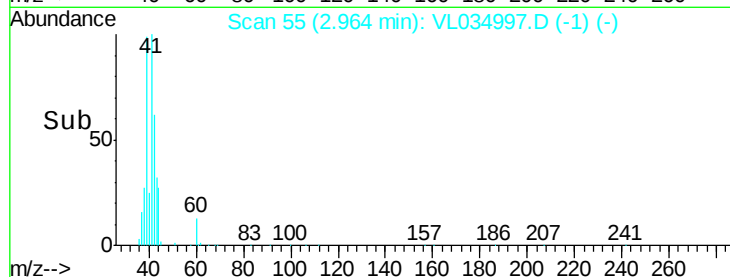
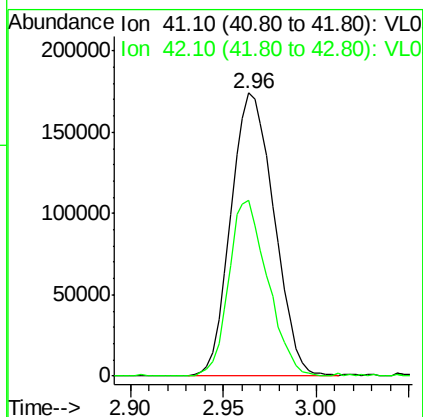
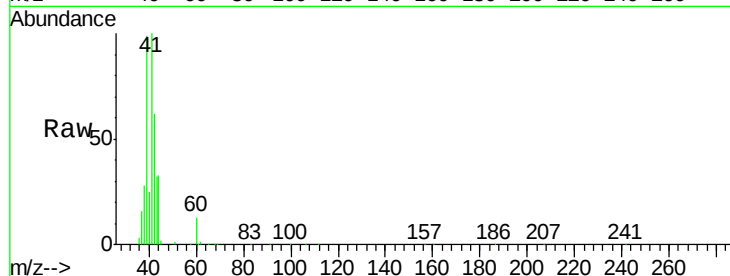
Ion Ratio Lower Upper

41 100

42 56.3 54.5 81.7

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#10

Heptane

Concen: 3.245 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. -0.01 min

Lab File: VL034997.D

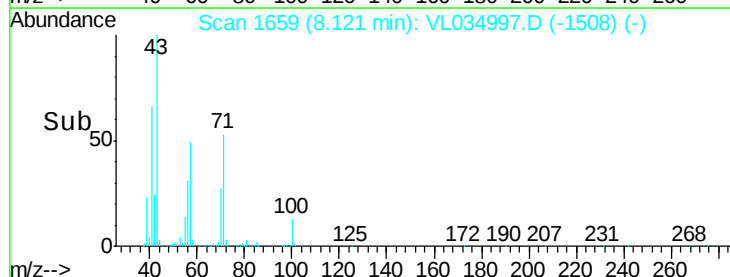
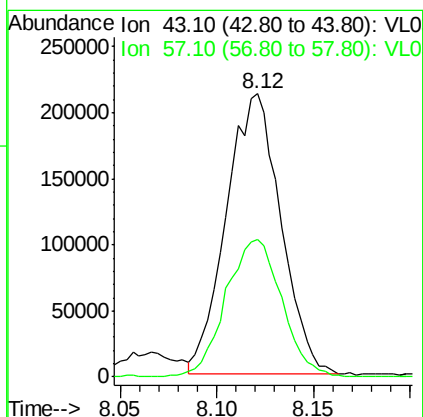
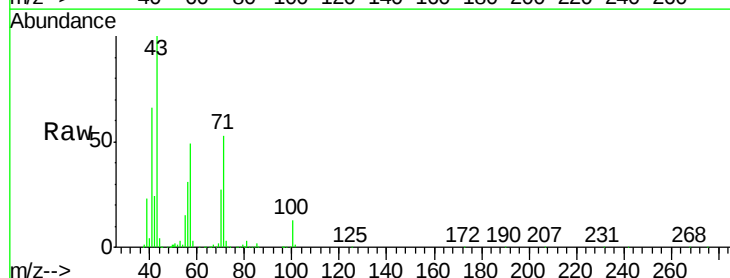
Acq: 12 May 2020 21:38

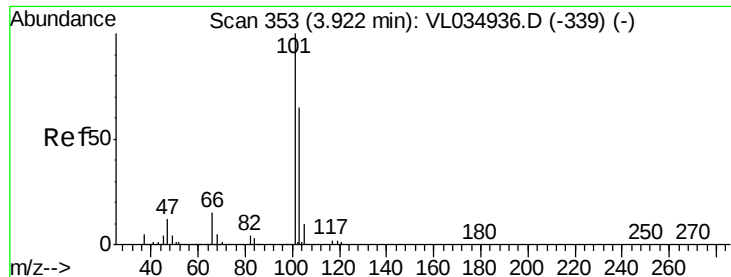
Tgt Ion: 43 Resp: 417222

Ion Ratio Lower Upper

43 100

57 50.6 41.1 61.7





#11

Trichlorofluoromethane

Concen: 0.280 ppbv

RT: 3.91 min Scan# 349

Delta R.T. -0.01 min

Lab File: VL034997.D

Acq: 12 May 2020 21:38

Instrument :

MSVOA_L

ClientSampleId :

IA-3

Tot Ion:101 Resp: 42385

Ion Ratio Lower Upper

101 100

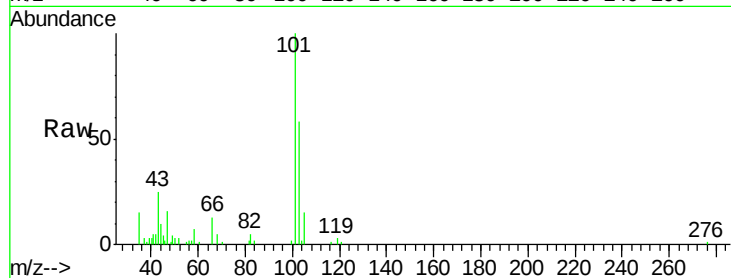
103 57.8 51.9 77.9

Manual Integrations

APPROVED

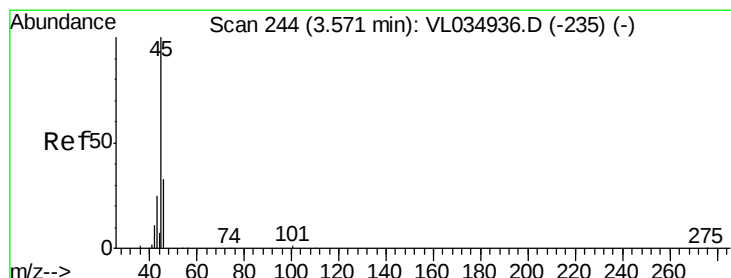
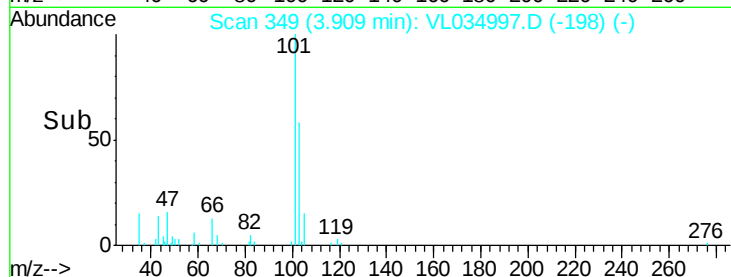
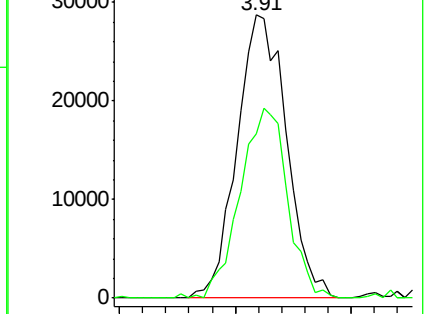
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#13

Ethanol

Concen: 49.926 ppbv

RT: 3.60 min Scan# 252

Delta R.T. 0.03 min

Lab File: VL034997.D

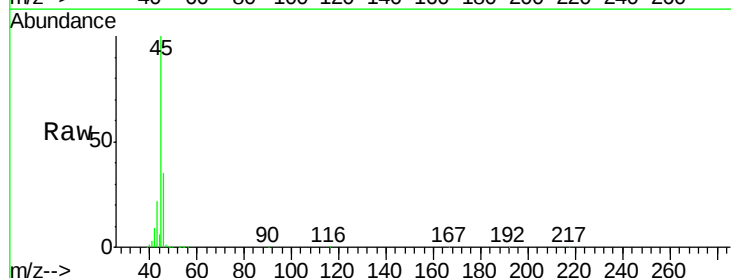
Acq: 12 May 2020 21:38

Tgt Ion: 45 Resp: 845439

Ion Ratio Lower Upper

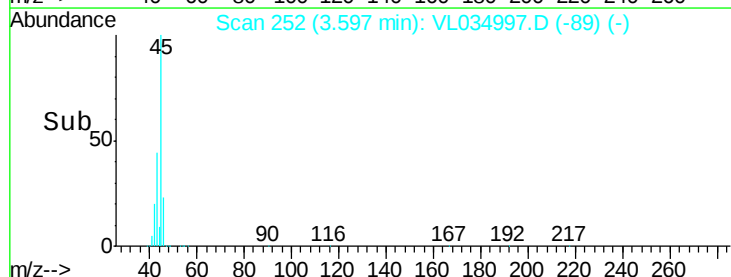
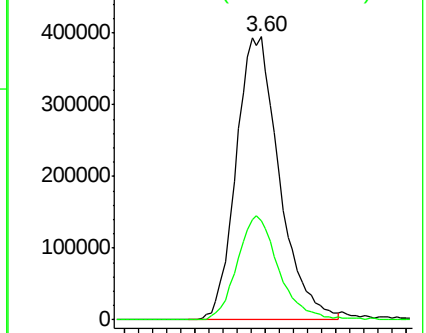
45 100

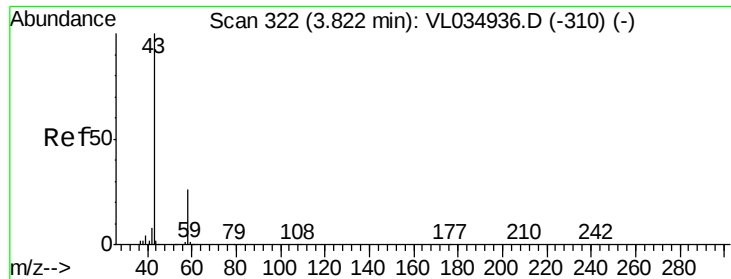
46 35.7 14.3 57.3



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 26.270 ppbv m

RT: 3.81 min Scan# 319

Delta R.T. -0.01 min

Lab File: VL034997.D

Acq: 12 May 2020 21:38

Instrument :

MSVOA_L

ClientSampleId :

IA-3

Tot Ion: 43 Resp: 3597431

Ion Ratio Lower Upper

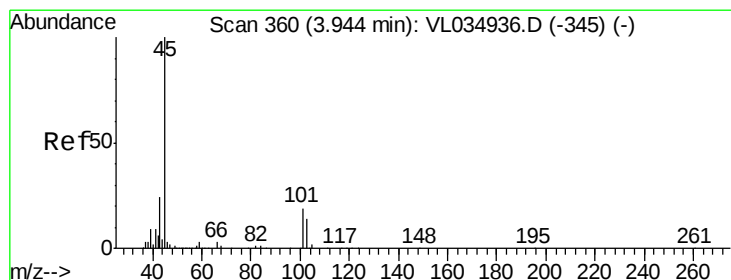
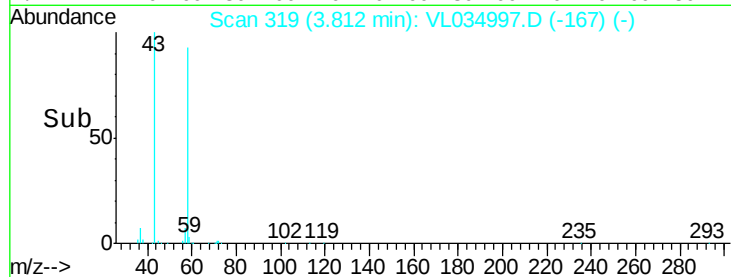
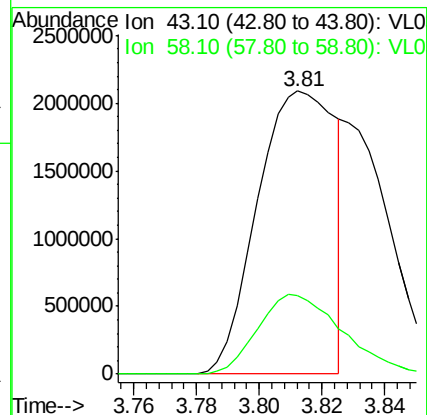
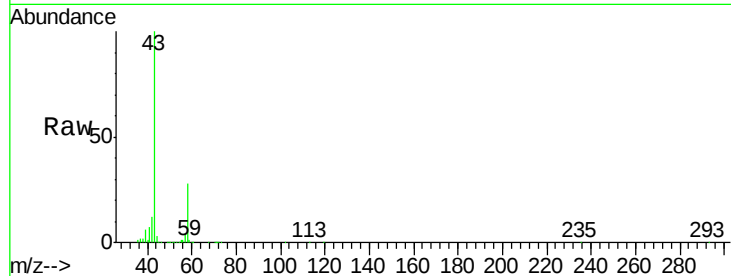
43 100

58 31.0 21.7 32.5

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#19

Isopropyl Alcohol

Concen: 62.535 ppbv

RT: 3.96 min Scan# 365

Delta R.T. 0.02 min

Lab File: VL034997.D

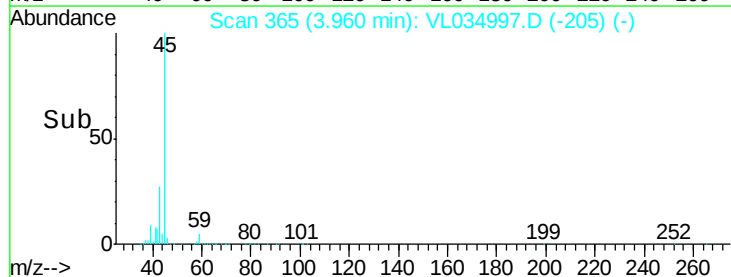
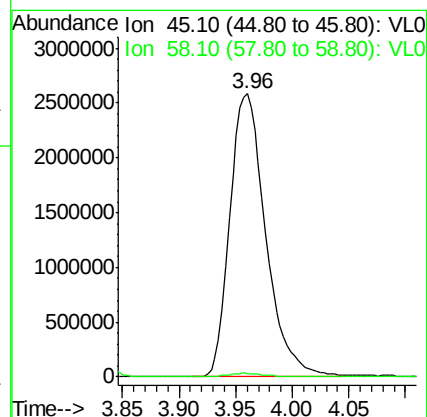
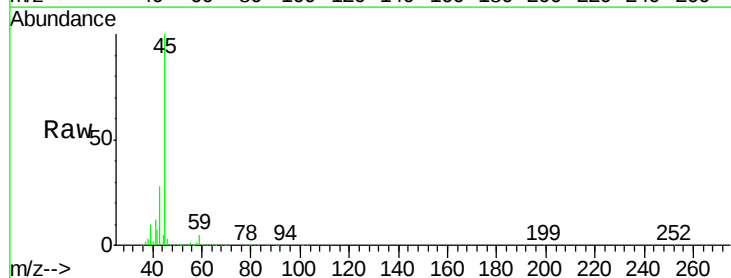
Acq: 12 May 2020 21:38

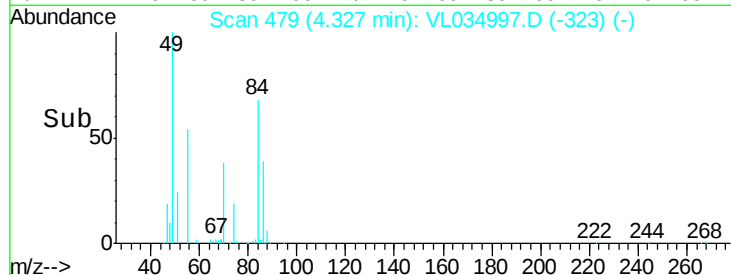
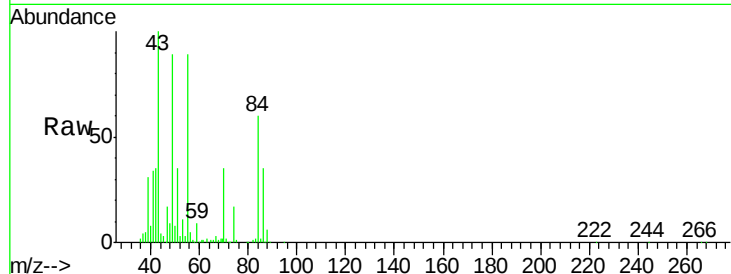
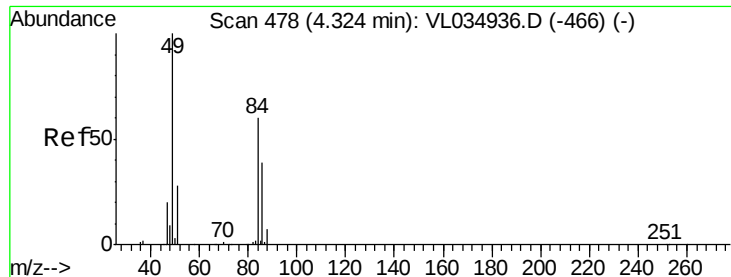
Tgt Ion: 45 Resp: 5710936

Ion Ratio Lower Upper

45 100

58 1.5 1.7 2.5#





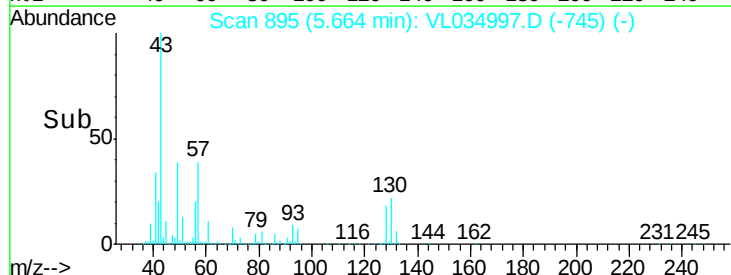
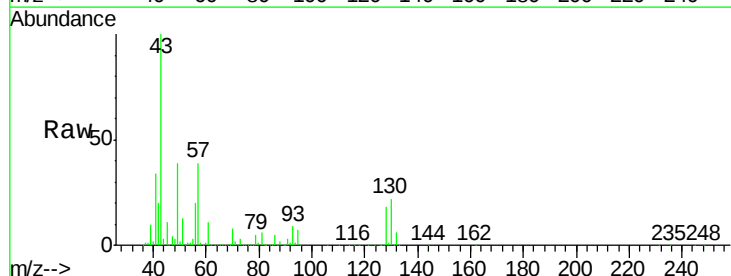
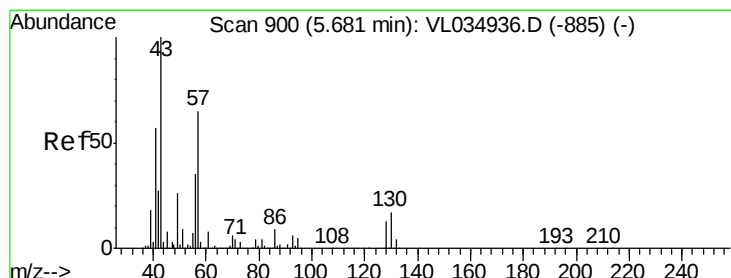
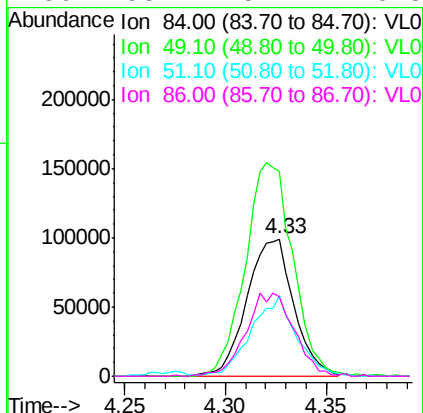
#20
Methvlene Chloride
Concen: 3.558 ppbv
RT: 4.33 min Scan# 479
Delta R.T. 0.00 min
Lab File: VL034997.D
Acq: 12 May 2020 21:38

Tot Ion	Ion	Ratio	Resp	Lower	Upper
84	100				
49	149.4	132.5	198.7		
51	58.0	38.4	57.6#		
86	58.2	51.2	76.8		

Instrument :
MSVOA_L
ClientSampleId :
IA-3

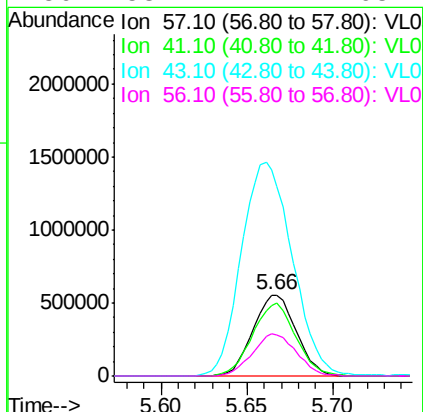
Manual Integrations
APPROVED

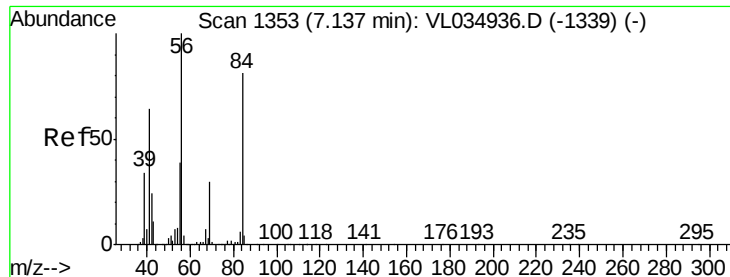
MMDadoda
5/13/2020 5:12:22 PM



#26
Hexane
Concen: 9.670 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.02 min
Lab File: VL034997.D
Acq: 12 May 2020 21:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100				
41	90.4	72.7	109.1		
43	312.6	182.1	273.1#		
56	53.1	42.2	63.2		





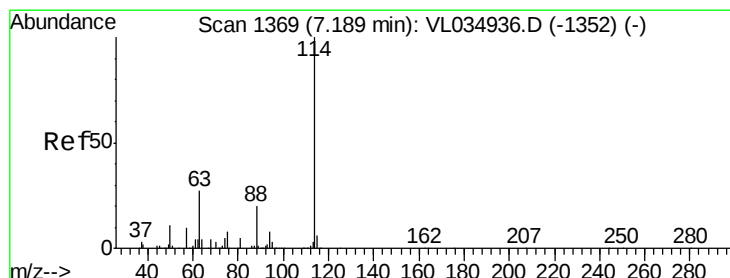
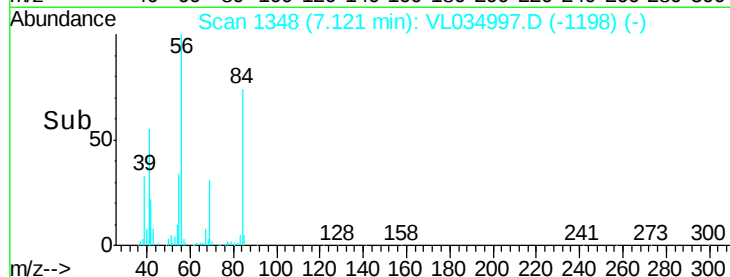
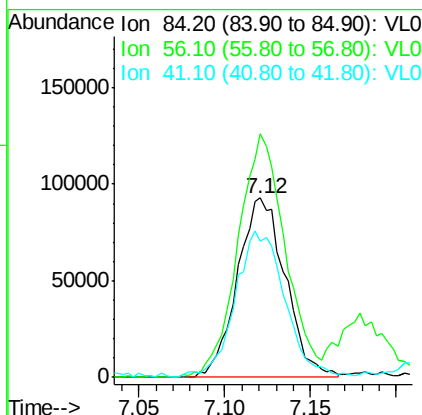
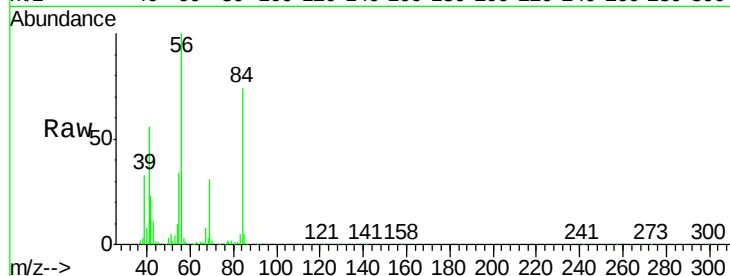
#30
Cyclohexane
Concen: 2.320 ppbv
RT: 7.12 min Scan# 1348
Delta R.T. -0.02 min
Lab File: VL034997.D
Acq: 12 May 2020 21:38

Instrument :
MSVOA_L
ClientSampled :
IA-3

Tot Ion	Ratio	Lower	Upper
84	100		
56	132.4	111.4	167.2
41	86.4	66.7	100.1

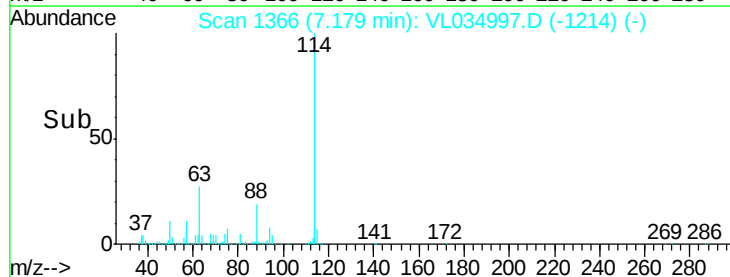
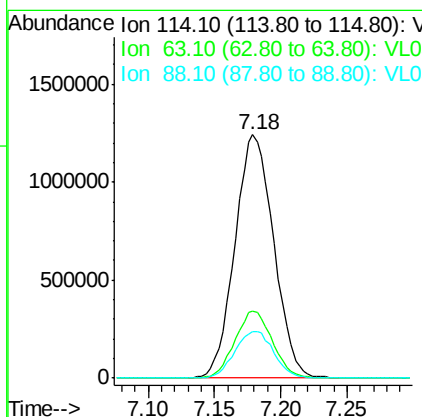
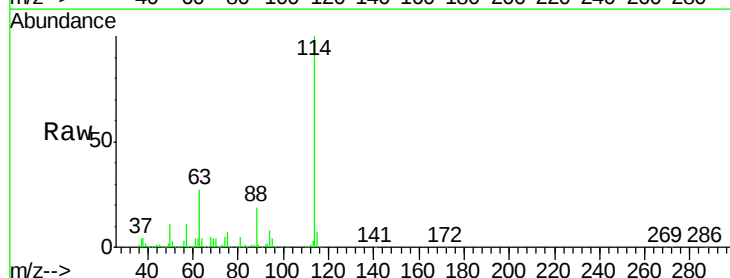
Manual Integrations
APPROVED

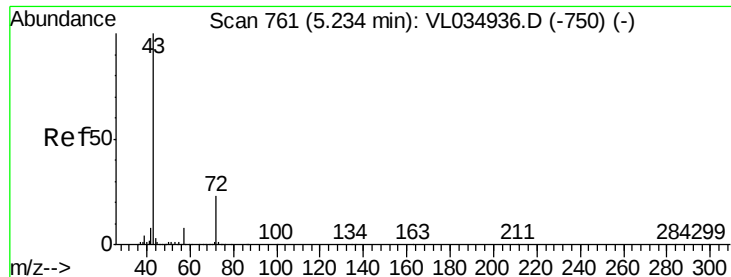
MMDadoda
5/13/2020 5:12:22 PM



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. -0.01 min
Lab File: VL034997.D
Acq: 12 May 2020 21:38

Tgt Ion	Ratio	Lower	Upper
114	100		
63	26.8	22.2	33.4
88	19.2	15.5	23.3





#34

2-Butanone

Concen: 2.409 ppbv

RT: 5.23 min Scan# 761

Delta R.T. -0.00 min

Lab File: VL034997.D

Acq: 12 May 2020 21:38

Instrument :

MSVOA_L

ClientSampleId :

IA-3

Tot Ion: 43 Resp: 377634

Ion Ratio Lower Upper

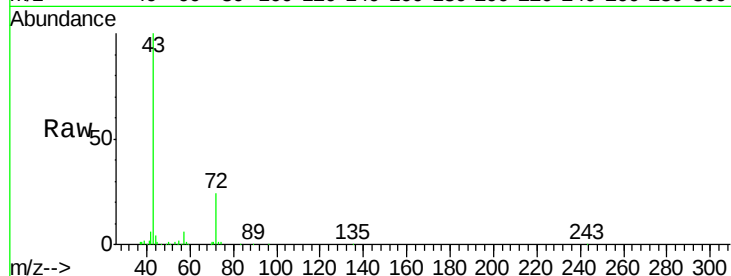
43 100

72 22.2 18.0 27.0

Manual Integrations
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MMDadoda

5/13/2020 5:12:22 PM



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

5.23

200000

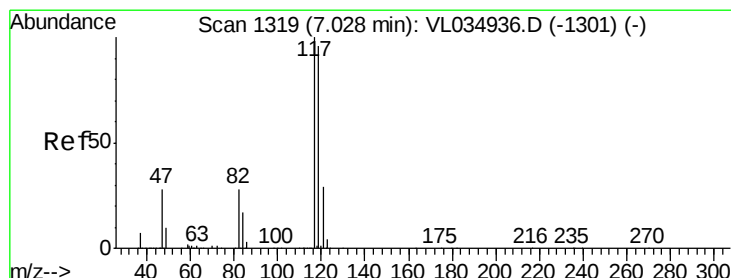
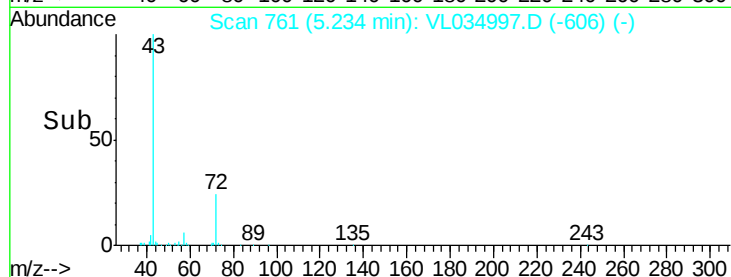
150000

100000

50000

0

Time-->



#35

Carbon Tetrachloride

Concen: 0.055 ppbv m

RT: 7.02 min Scan# 1317

Delta R.T. -0.01 min

Lab File: VL034997.D

Acq: 12 May 2020 21:38

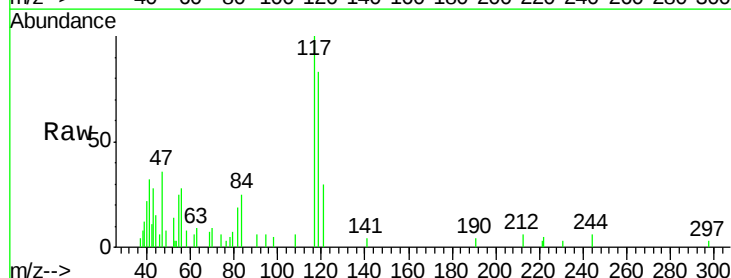
Tgt Ion: 117 Resp: 8747

Ion Ratio Lower Upper

117 100

119 83.0 77.0 115.6

121 29.8 23.0 34.6



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

7.02

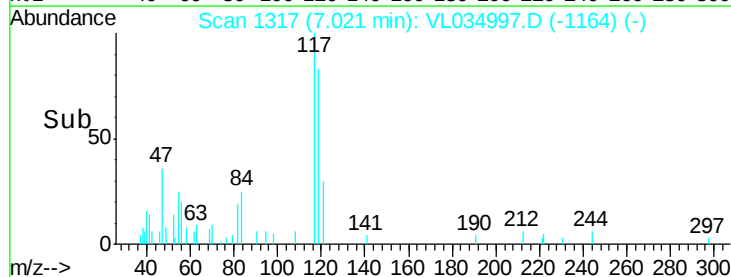
6000

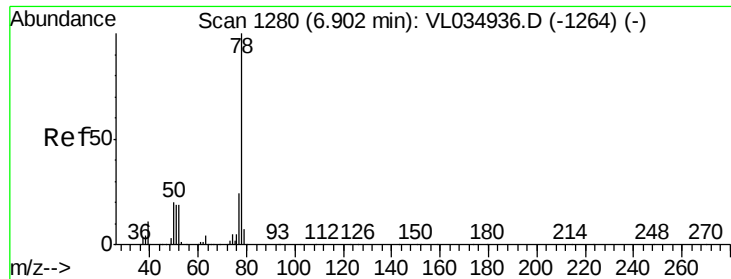
4000

2000

0

Time-->





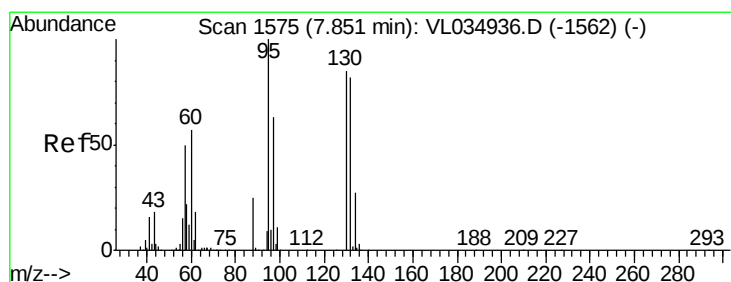
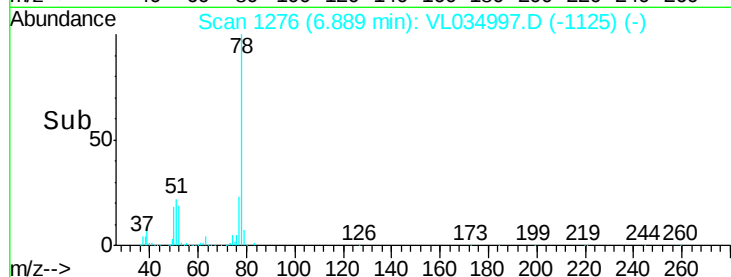
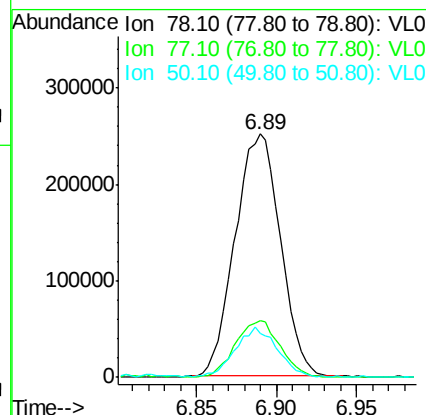
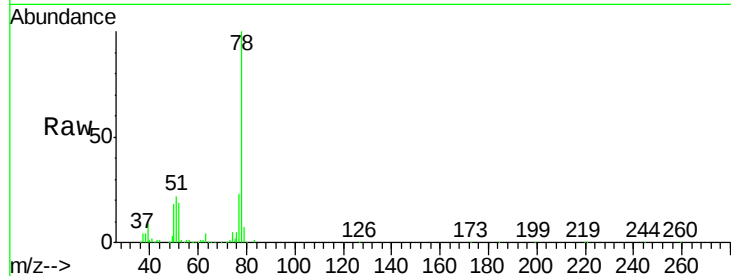
#36
Benzene
Concen: 2.328 ppbv
RT: 6.89 min Scan# 1276
Delta R.T. -0.01 min
Lab File: VL034997.D
Acq: 12 May 2020 21:38

Instrument :
MSVOA_L
ClientSampleId :
IA-3

Tot Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.6
50	17.9	15.8	23.8

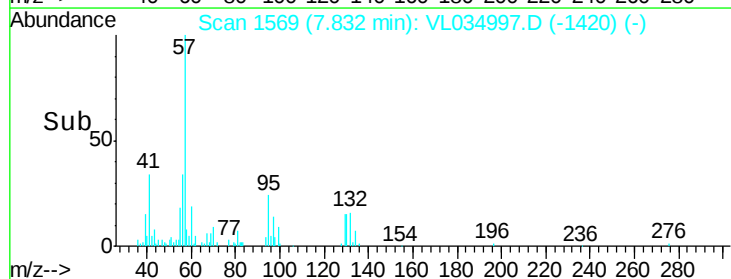
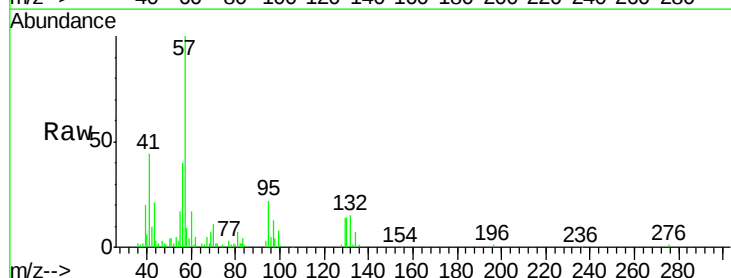
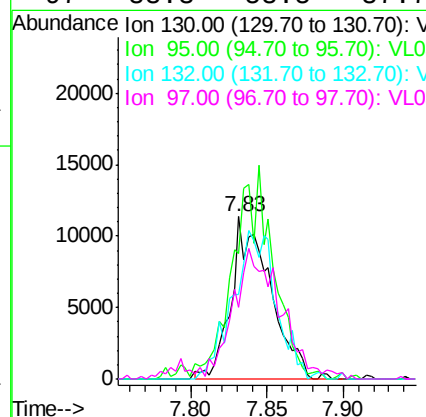
Manual Integrations
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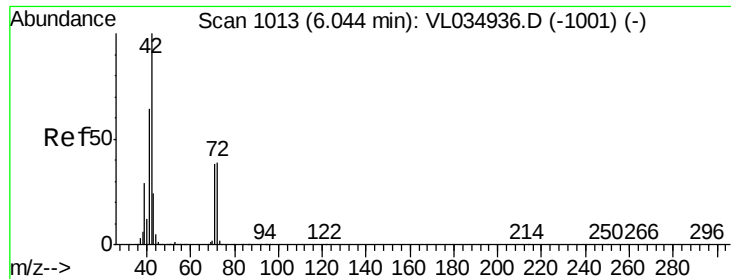
MMDadoda
5/13/2020 5:12:22 PM



#38
Trichloroethene
Concen: 0.252 ppbv m
RT: 7.83 min Scan# 1569
Delta R.T. -0.02 min
Lab File: VL034997.D
Acq: 12 May 2020 21:38

Tgt Ion	Ratio	Lower	Upper
130	100		
95	154.0	93.4	140.0#
132	104.0	76.4	114.6
97	88.3	58.5	87.7#





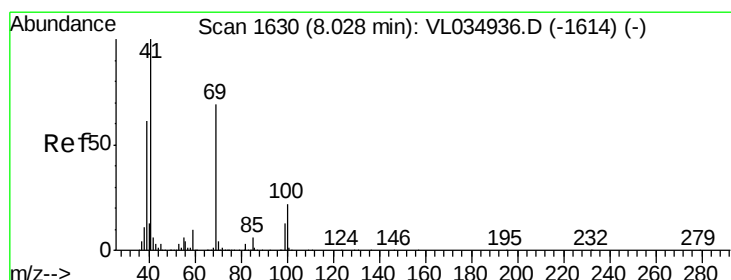
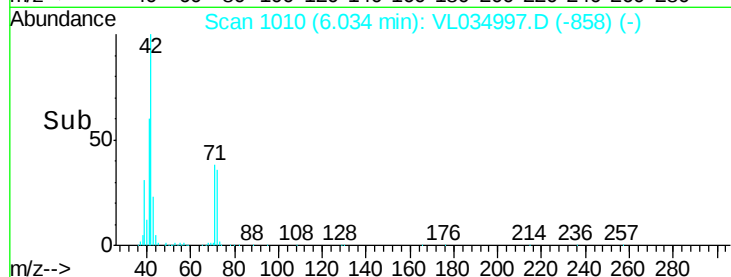
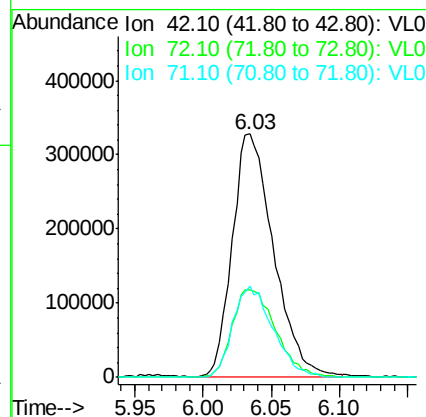
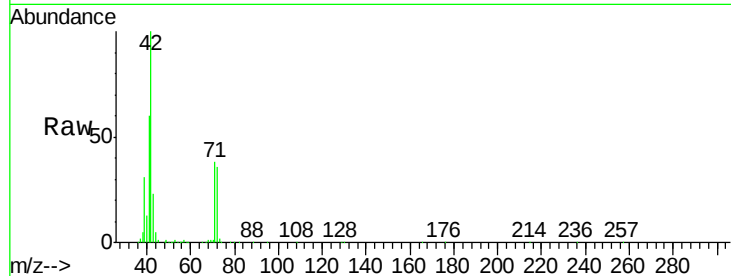
#41
Tetrahydrofuran
Concen: 8.364 ppbv
RT: 6.03 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VL034997.D
Acq: 12 May 2020 21:38

Instrument :
MSVOA_L
ClientSampled :
IA-3

Tot Ion	Ratio	Resp	Lower	Upper
42	100	690233		
72	38.4		31.4	47.0
71	36.7		29.8	44.8

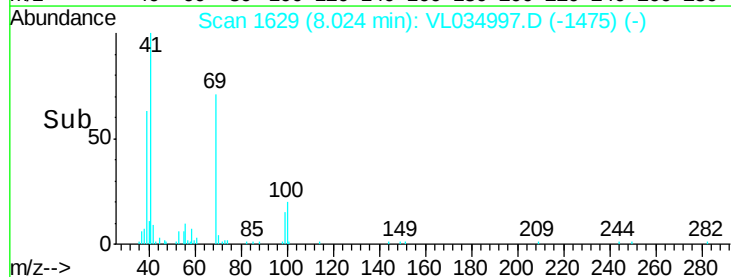
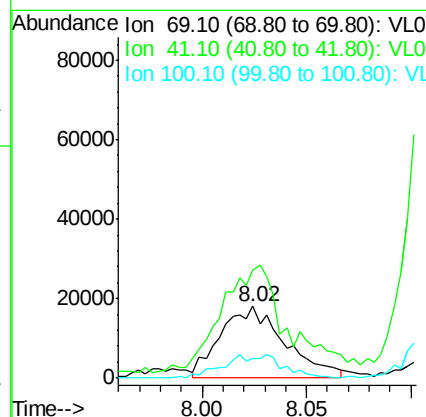
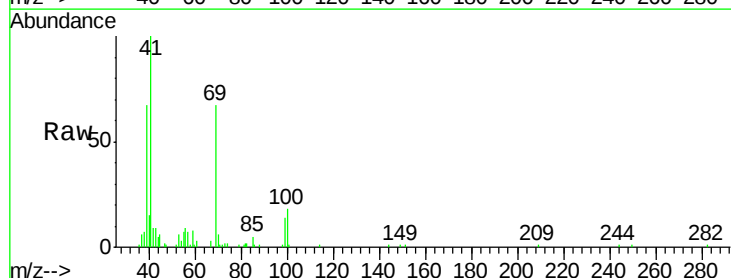
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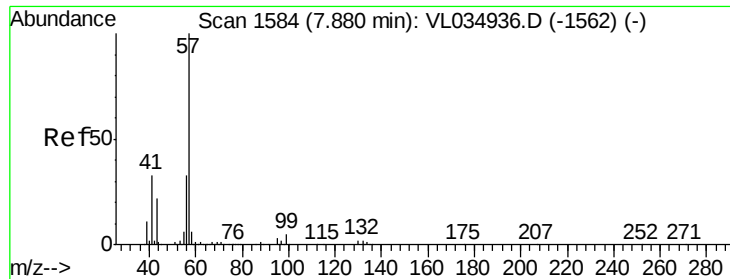
MMDadoda
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#43
Methyl Methacrylate
Concen: 0.437 ppbv m
RT: 8.02 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VL034997.D
Acq: 12 May 2020 21:38

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	38398		
41	0.0		119.8	179.6#
100	0.0		25.0	37.6#





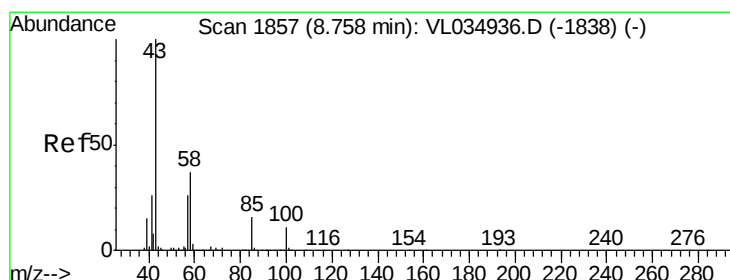
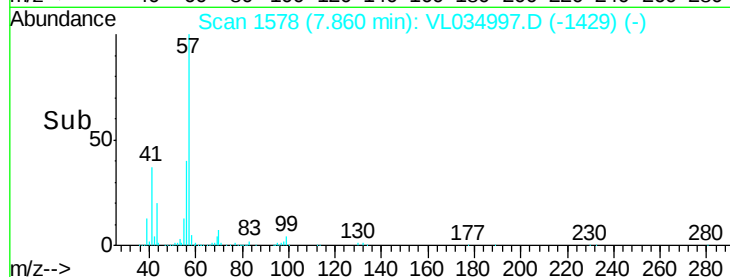
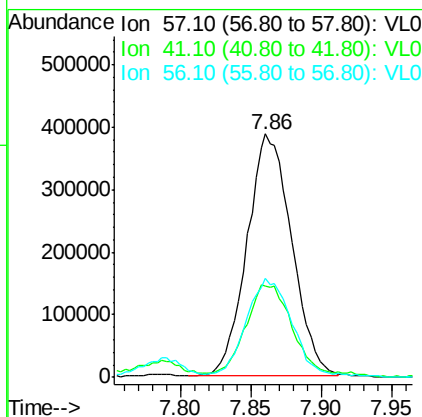
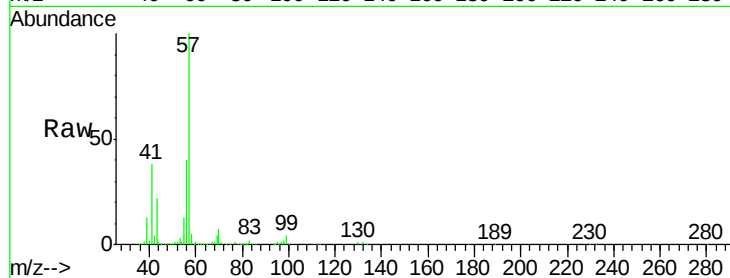
#44
 2,2,4-Trimethylpentane
 Concen: 2.314 ppbv
 RT: 7.86 min Scan# 1578
 Delta R.T. -0.02 min
 Lab File: VL034997.D
 Acq: 12 May 2020 21:38

Instrument :
 MSVOA_L
 ClientSampled :
 IA-3

Tot Ion	Ratio	Lower	Upper
57	100		
41	41.0	26.4	39.6#
56	42.1	25.5	38.3#

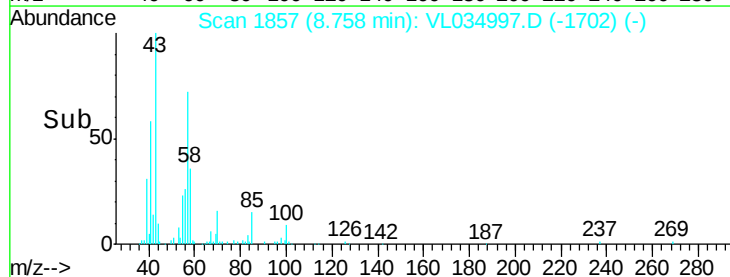
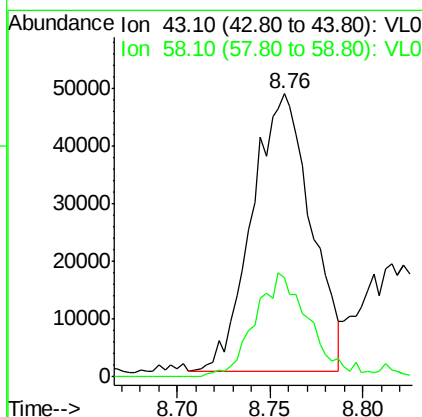
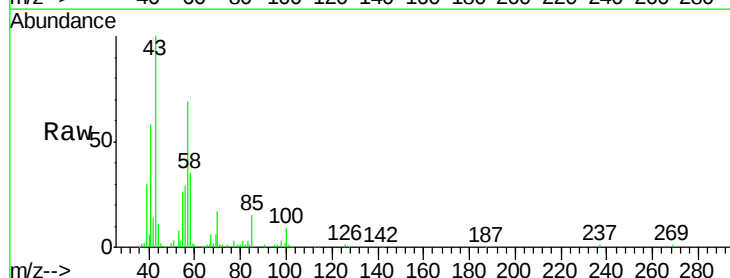
Manual Integrations
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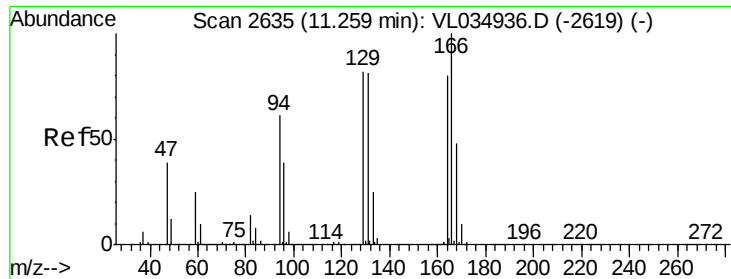
MMDadoda
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#50
 4-Methyl-2-Pentanone
 Concen: 0.479 ppbv
 RT: 8.76 min Scan# 1857
 Delta R.T. -0.00 min
 Lab File: VL034997.D
 Acq: 12 May 2020 21:38

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.9	29.1	43.7





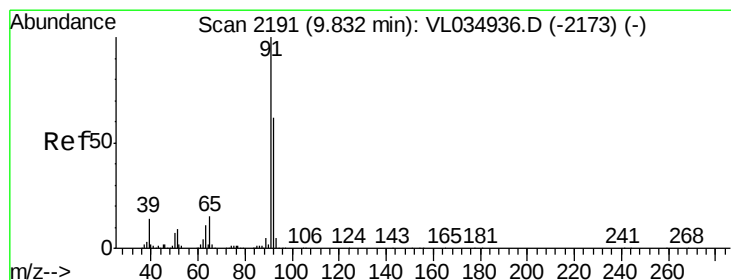
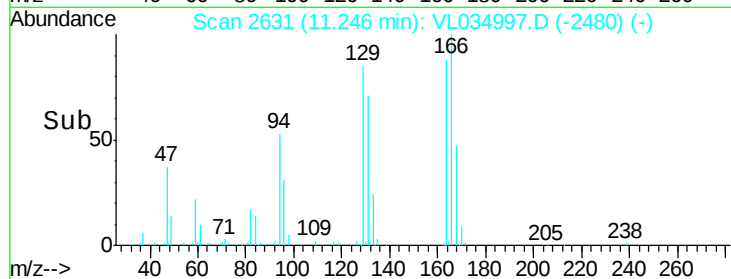
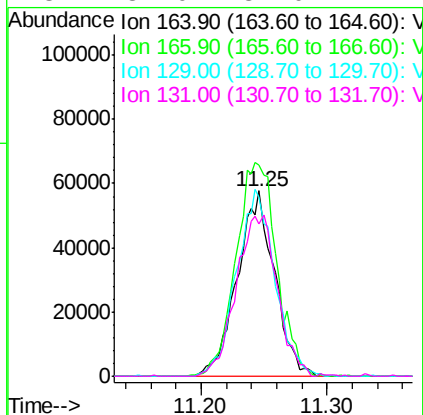
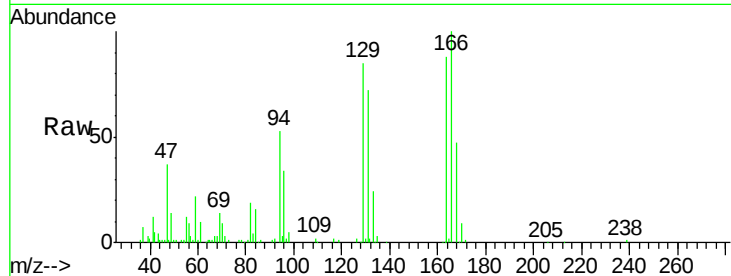
#52
Tetrachloroethene
Concen: 1.599 ppbv m
RT: 11.25 min Scan# 2631
Delta R.T. -0.01 min
Lab File: VL034997.D
Acq: 12 May 2020 21:38

Instrument :
MSVOA_L
ClientSampleId :
IA-3

Tot Ion	Ratio	Lower	Upper
164	100		
166	114.2	100.7	151.1
129	96.8	83.0	124.4
131	82.0	81.0	121.4

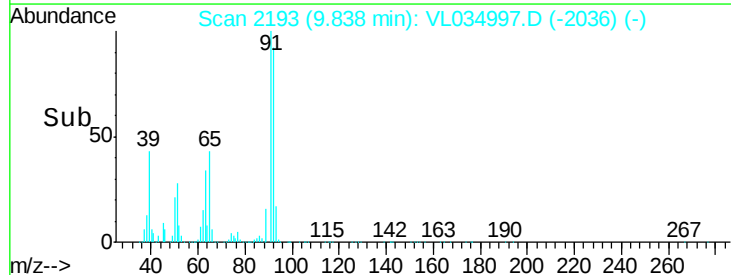
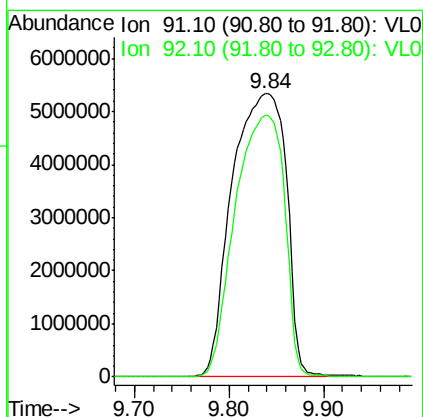
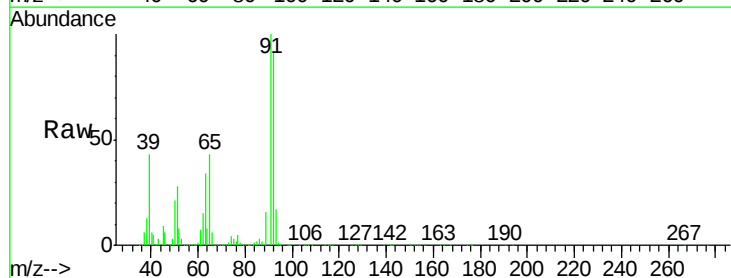
Manual Integrations
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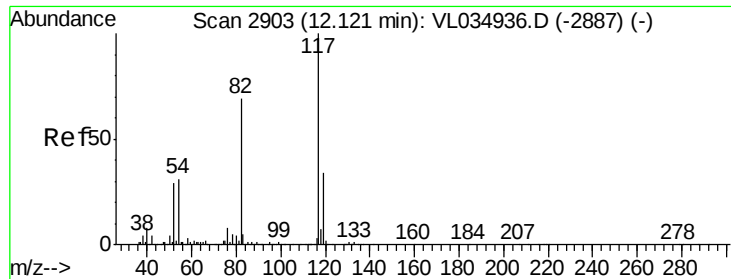
MMDadoda
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#53
Toluene
Concen: 96.452 ppbv
RT: 9.84 min Scan# 2193
Delta R.T. 0.01 min
Lab File: VL034997.D
Acq: 12 May 2020 21:38

Tgt Ion	Ratio	Lower	Upper
91	100		
92	84.3	48.6	73.0#





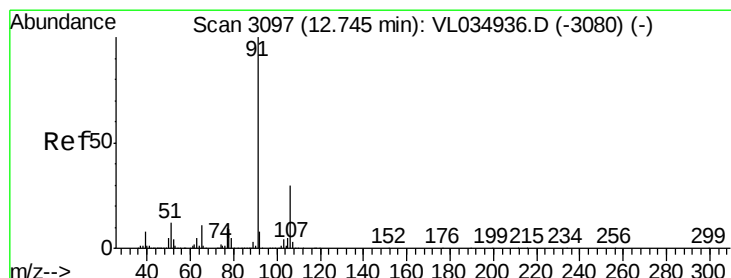
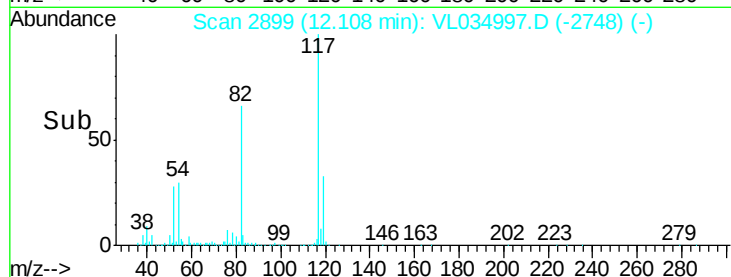
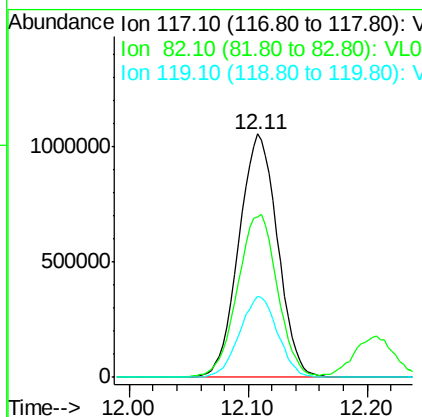
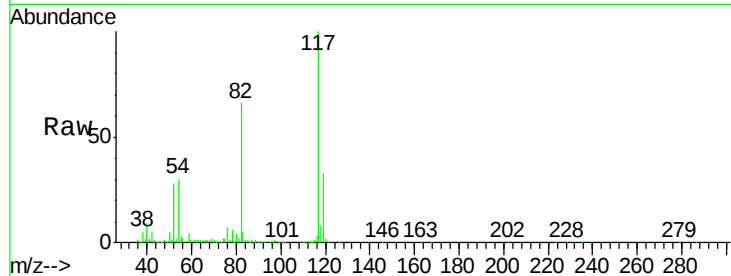
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.01 min
Lab File: VL034997.D
Acq: 12 May 2020 21:38

Instrument :
MSVOA_L
ClientSampleId :
IA-3

Tot Ion	Ratio	Lower	Upper
117	100		
82	69.0	53.1	79.7
119	32.7	26.7	40.1

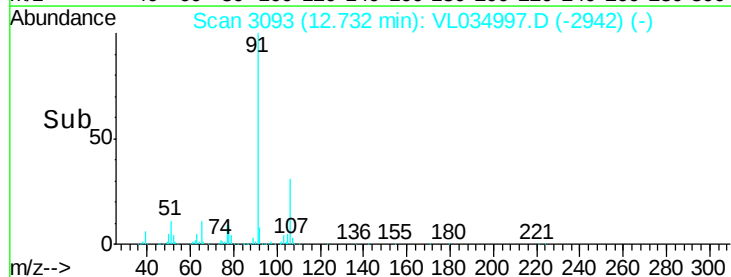
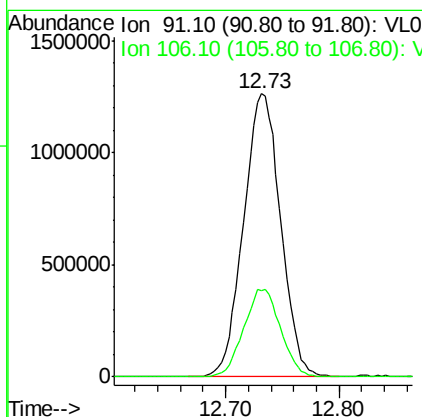
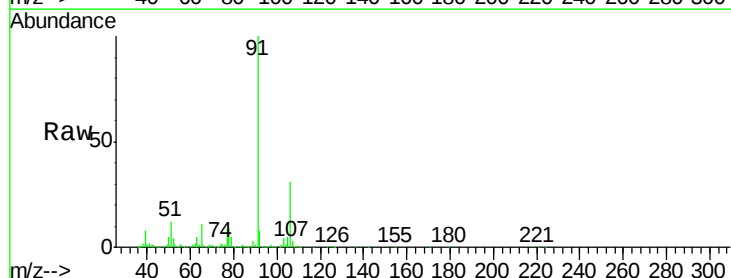
Manual Integrations
APPROVED

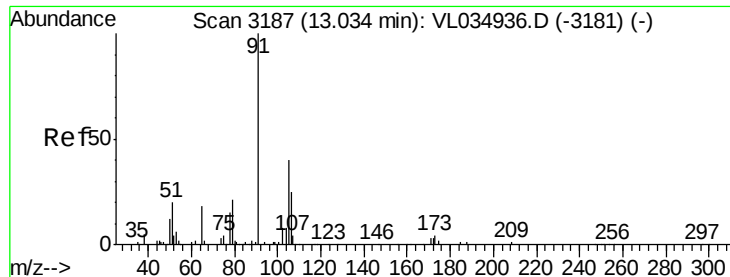
MMDadoda
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#58
Ethyl Benzene
Concen: 9.772 ppbv
RT: 12.73 min Scan# 3093
Delta R.T. -0.01 min
Lab File: VL034997.D
Acq: 12 May 2020 21:38

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.6	24.2	36.4





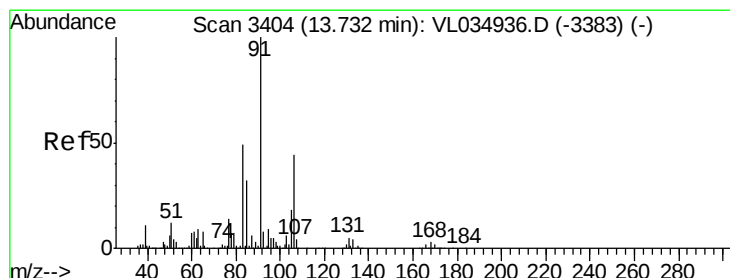
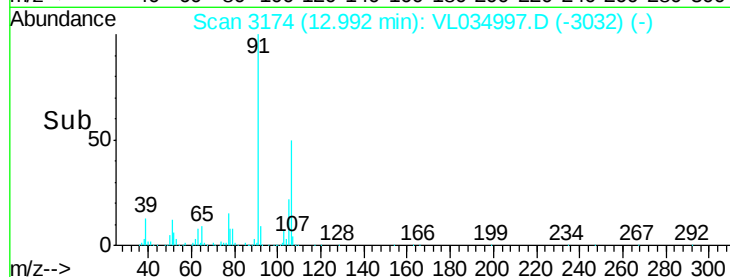
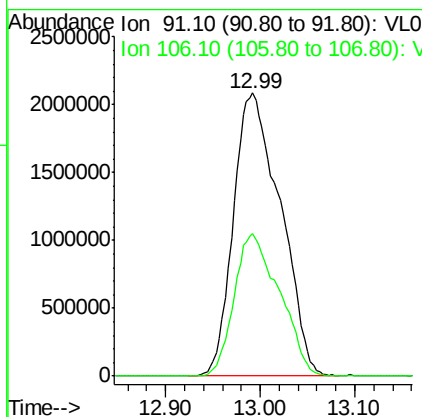
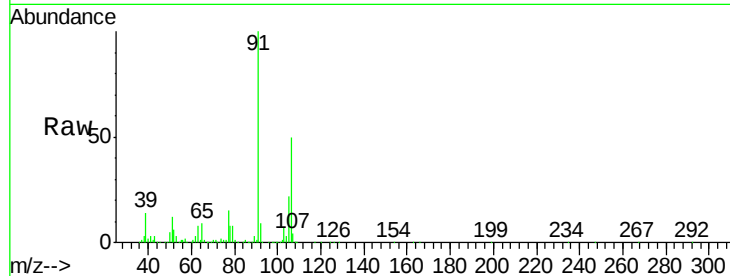
#59
m/p-Xylene
Concen: 27.711 ppbv
RT: 12.99 min Scan# 3174
Delta R.T. -0.04 min
Lab File: VL034997.D
Acq: 12 May 2020 21:38

Instrument :
MSVOA_L
ClientSampled :
IA-3

Tot Ion: 91 Resp: 7159577
Ion Ratio Lower Upper
91 100
106 48.7 66.0 99.0#

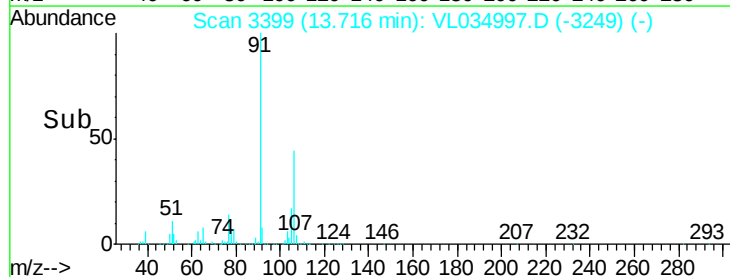
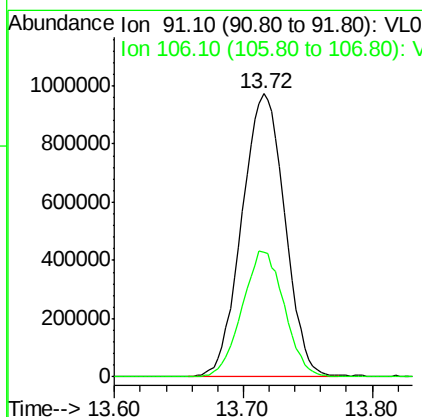
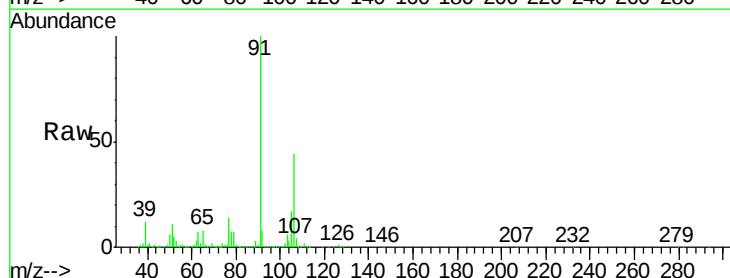
Manual Integrations
APPROVED

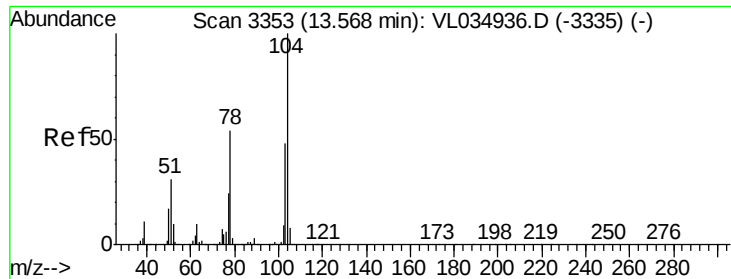
MMDadoda
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#60
o-Xylene
Concen: 8.815 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. -0.02 min
Lab File: VL034997.D
Acq: 12 May 2020 21:38

Tgt Ion: 91 Resp: 2247288
Ion Ratio Lower Upper
91 100
106 43.9 21.9 65.5





#61

Stvrene

Concen: 33.949 ppbv

RT: 13.55 min Scan# 3349

Delta R.T. -0.01 min

Lab File: VL034997.D

Acq: 12 May 2020 21:38

Instrument :

MSVOA_L

ClientSampleId :

IA-3

Tot Ion:104 Resp: 5477430

Ion Ratio Lower Upper

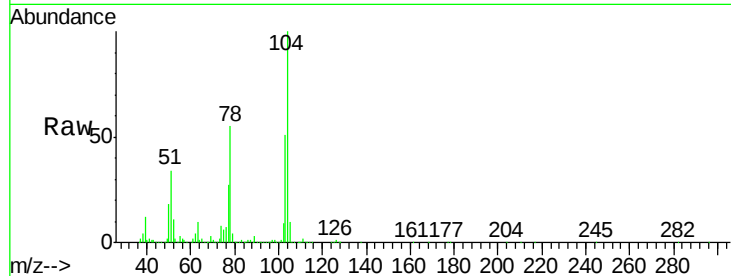
104 100

78 53.5 43.7 65.5

103 49.6 38.8 58.2

Manual Integrations
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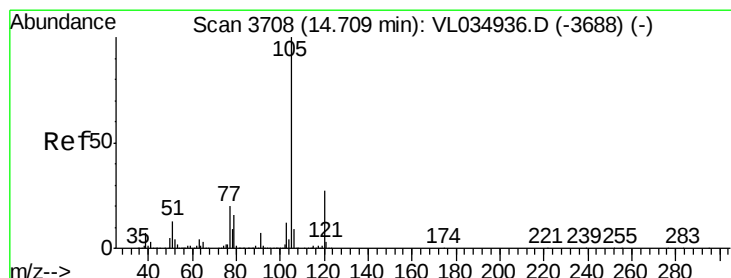
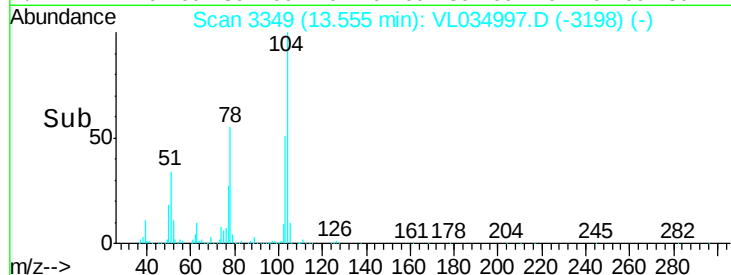
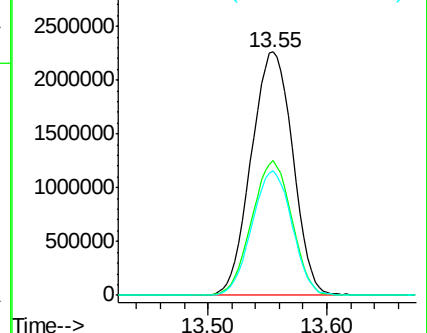
MMDadoda
5/13/2020 5:12:22 PM



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 0.212 ppbv m

RT: 14.70 min Scan# 3704

Delta R.T. -0.01 min

Lab File: VL034997.D

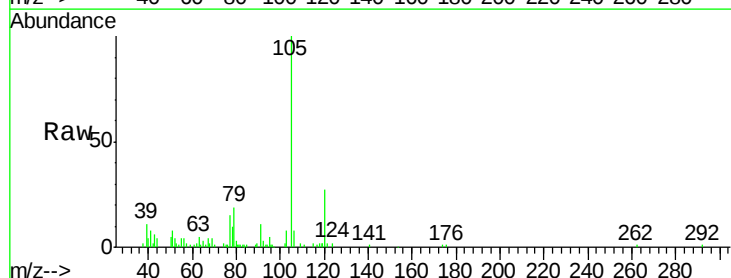
Acq: 12 May 2020 21:38

Tgt Ion:105 Resp: 80590

Ion Ratio Lower Upper

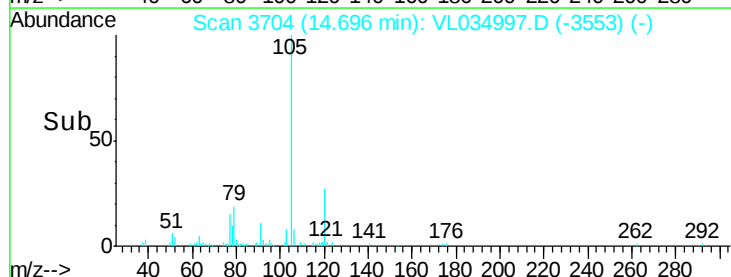
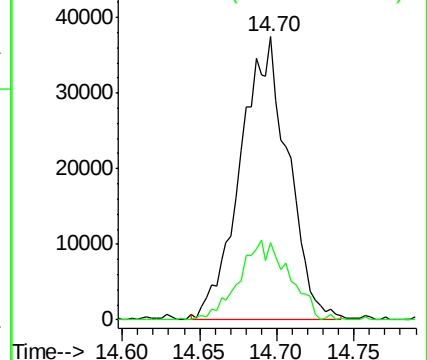
105 100

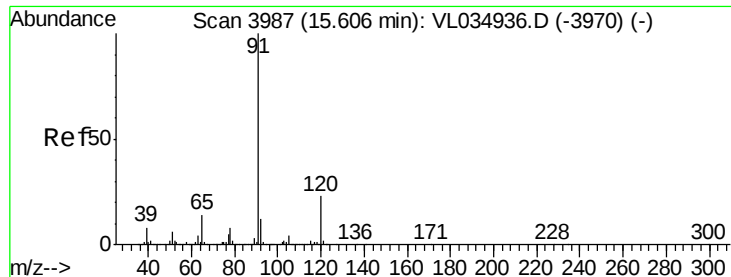
120 0.0 20.6 31.0#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





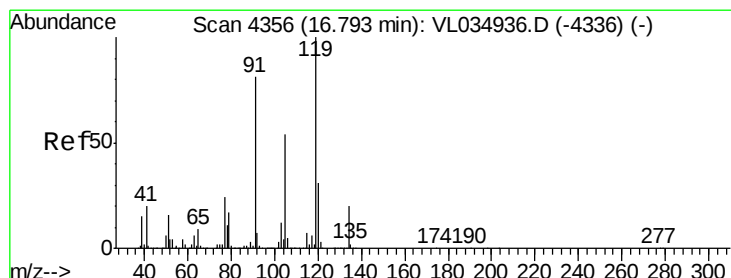
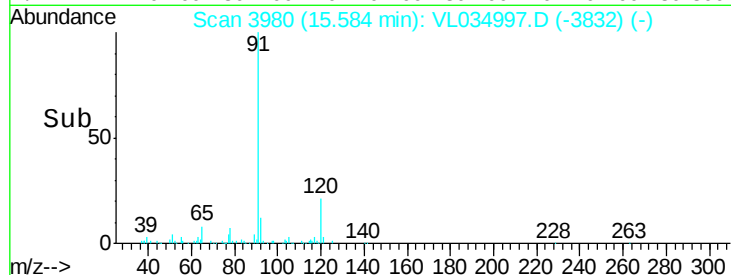
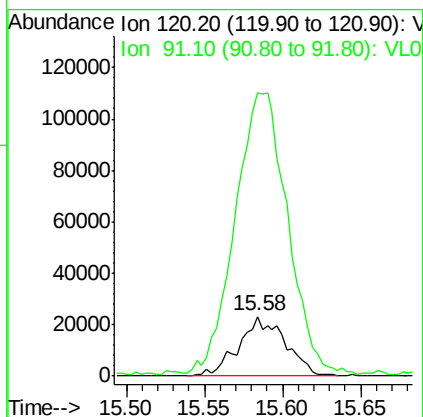
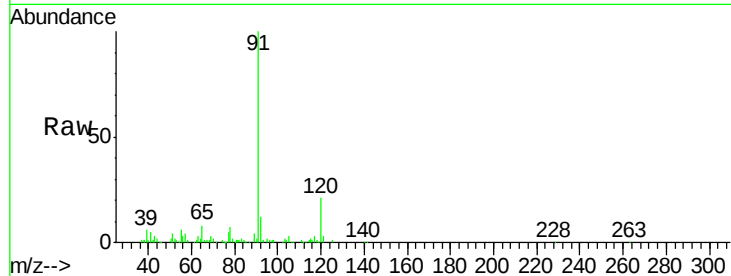
#64
n-propylbenzene
Concen: 0.491 ppbv m
RT: 15.58 min Scan# 3980
Delta R.T. -0.02 min
Lab File: VL034997.D
Acq: 12 May 2020 21:38

Instrument :
MSVOA_L
ClientSampled :
IA-3

Tot Ion:120 Resp: 47923
Ion Ratio Lower Upper
120 100
91 539.4 373.5 560.3

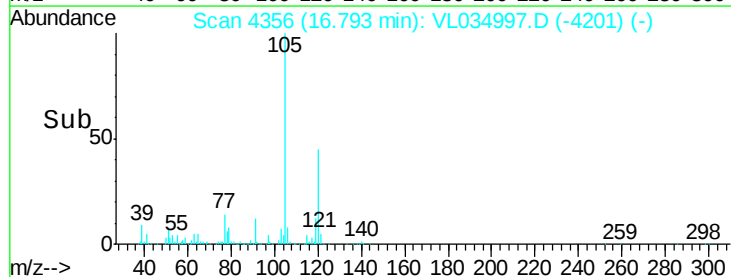
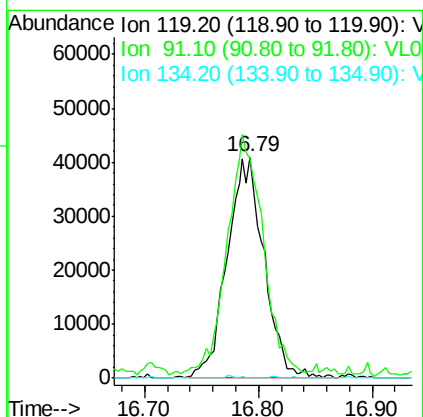
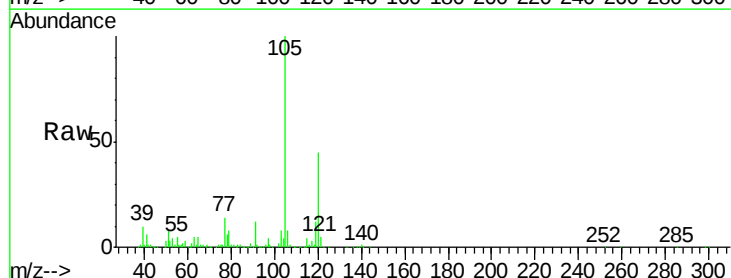
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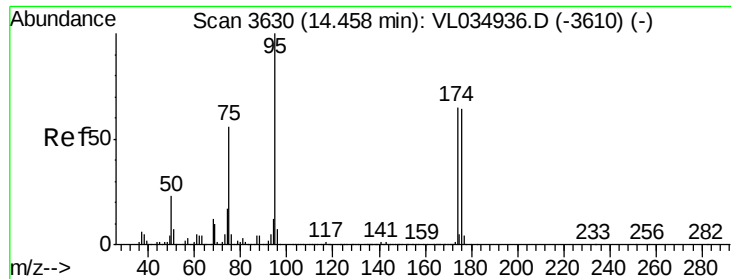
MMDadoda
5/13/2020 5:12:22 PM



#65
tert-Butylbenzene
Concen: 0.278 ppbv m
RT: 16.79 min Scan# 4356
Delta R.T. -0.00 min
Lab File: VL034997.D
Acq: 12 May 2020 21:38

Tgt Ion:119 Resp: 91725
Ion Ratio Lower Upper
119 100
91 106.9 67.5 101.3#
134 0.3 16.1 24.1#





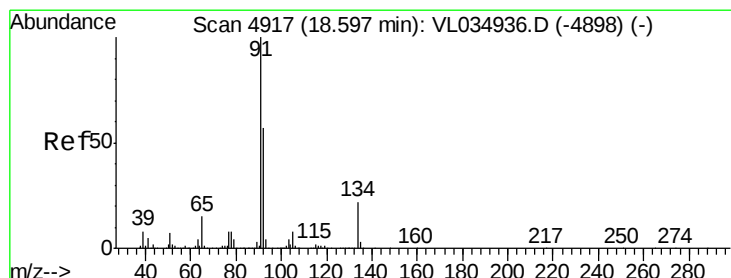
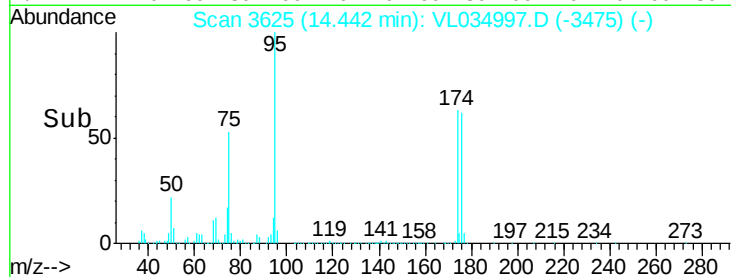
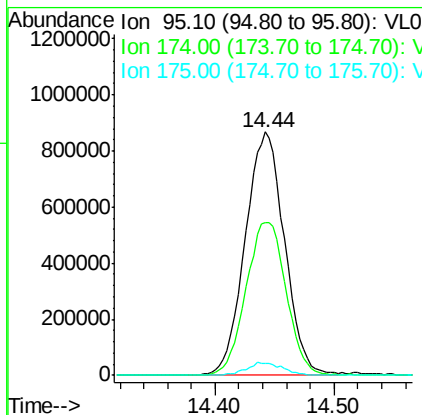
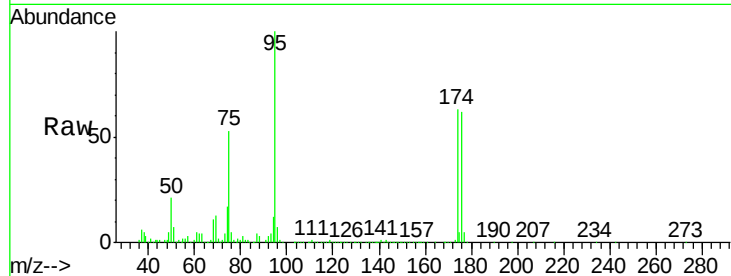
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.298 ppbv
 RT: 14.44 min Scan# 3625
 Delta R.T. -0.02 min
 Lab File: VL034997.D
 Acq: 12 May 2020 21:38

Instrument :
 MSVOA_L
 ClientSampled :
 IA-3

Tot Ion: 95 Resp: 1979459
 Ion Ratio Lower Upper
 95 100
 174 64.7 51.5 77.3
 175 4.9 3.8 5.8

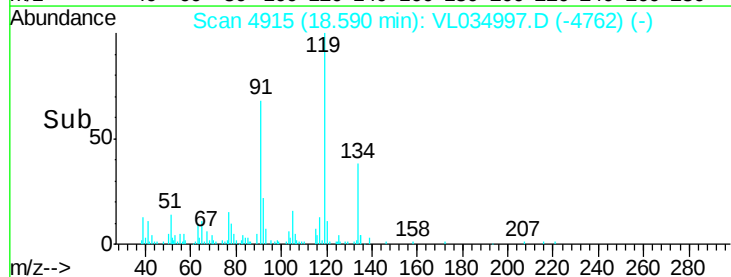
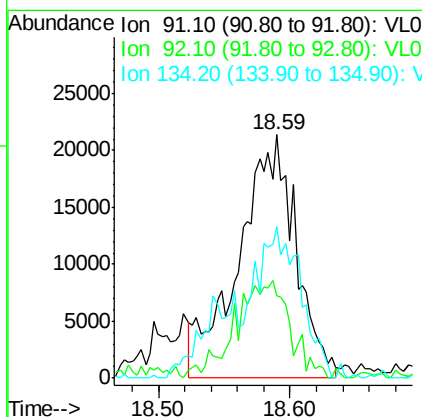
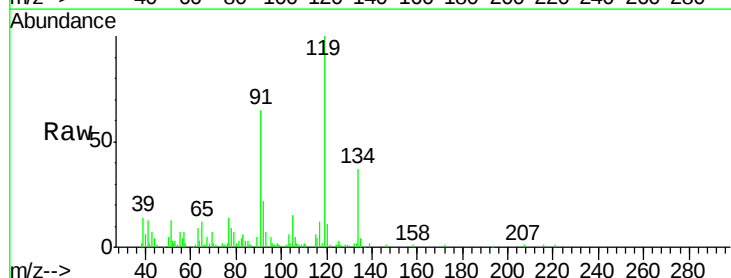
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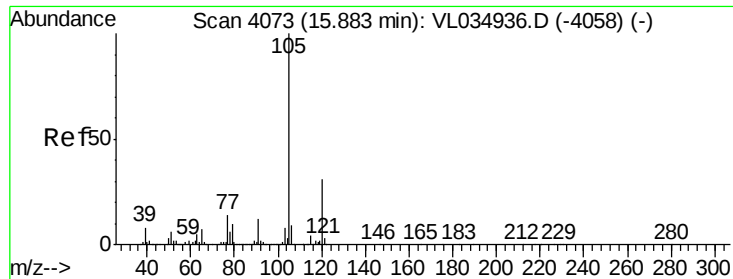
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#70
 n-Butylbenzene
 Concen: 0.158 ppbv m
 RT: 18.59 min Scan# 4915
 Delta R.T. -0.01 min
 Lab File: VL034997.D
 Acq: 12 May 2020 21:38

Tgt Ion: 91 Resp: 64191
 Ion Ratio Lower Upper
 91 100
 92 0.0 44.4 66.6#
 134 0.0 18.0 27.0#





#72

4-Ethyltoluene

Concen: 1.007 ppbv

RT: 15.86 min Scan# 4067

Delta R.T. -0.02 min

Lab File: VL034997.D

Acq: 12 May 2020 21:38

Instrument :

MSVOA_L

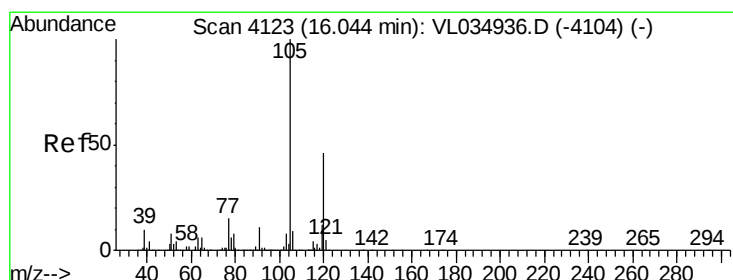
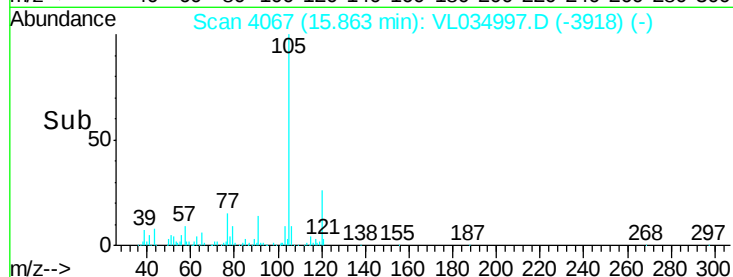
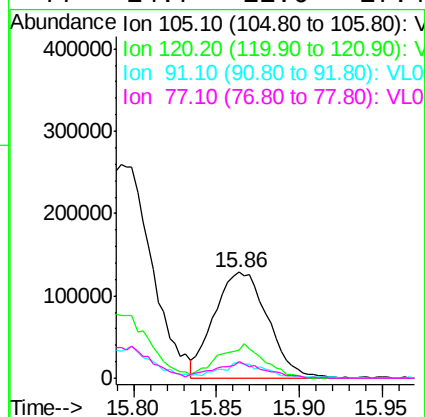
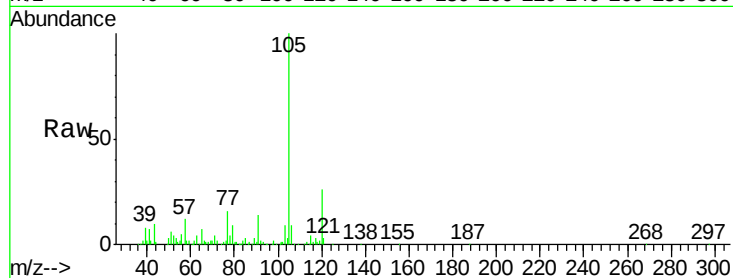
ClientSampleId :

IA-3

Tot Ion:	105	Resp:	286453
Ion Ratio	Lower	Upper	
105	100		
120	28.0	23.8	35.8
91	13.5	10.6	15.8
77	14.7	11.6	17.4

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#73

1,3,5-Trimethylbenzene

Concen: 0.839 ppbv

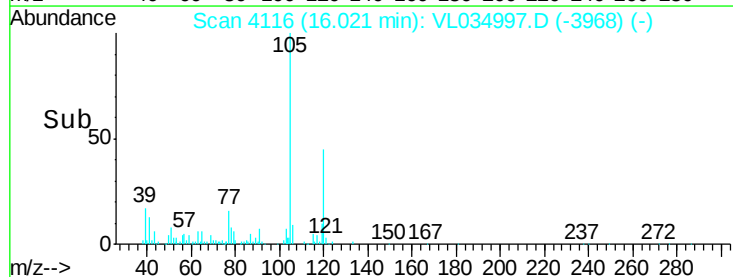
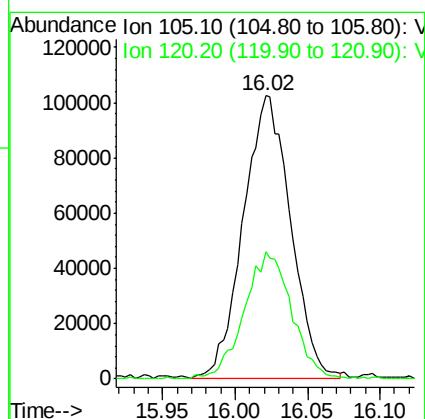
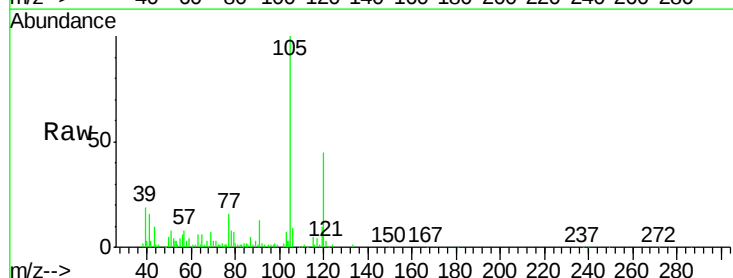
RT: 16.02 min Scan# 4116

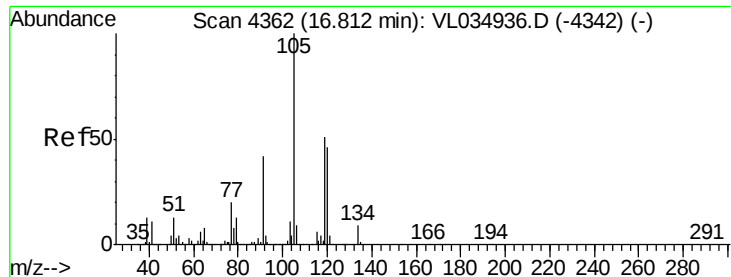
Delta R.T. -0.02 min

Lab File: VL034997.D

Acq: 12 May 2020 21:38

Tgt Ion:	105	Resp:	232228
Ion Ratio	Lower	Upper	
105	100		
120	45.3	36.4	54.6





#74

1,2,4-Trimethylbenzene

Concen: 2.787 ppbv

RT: 16.79 min Scan# 4354

Delta R.T. -0.03 min

Lab File: VL034997.D

Acq: 12 May 2020 21:38

Instrument :

MSVOA_L

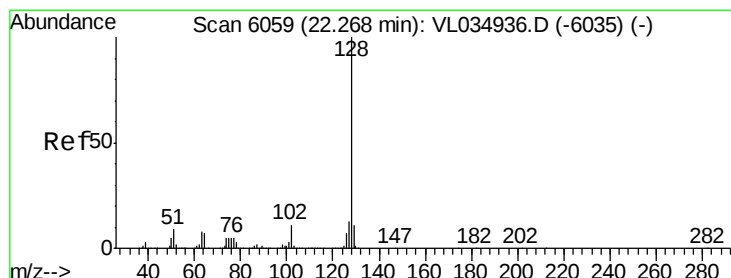
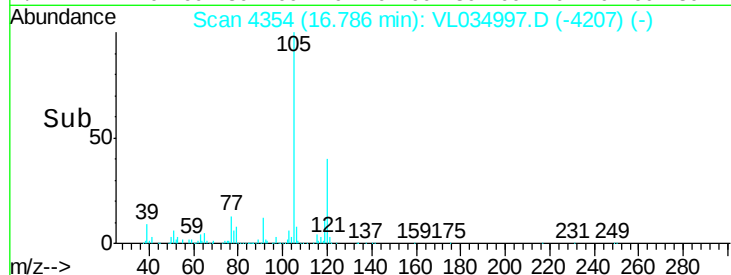
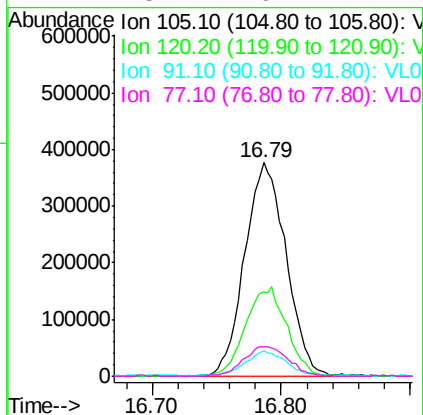
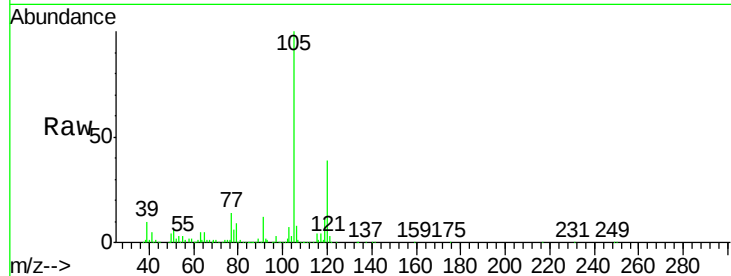
ClientSampled :

IA-3

Tot Ion	Ratio	Resp	Lower	Upper
105	100	842068		
120	39.4		36.8	55.2
91	11.6		35.4	53.0#
77	13.4		16.2	24.2#

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#79

Naphthalene

Concen: 0.350 ppbv m

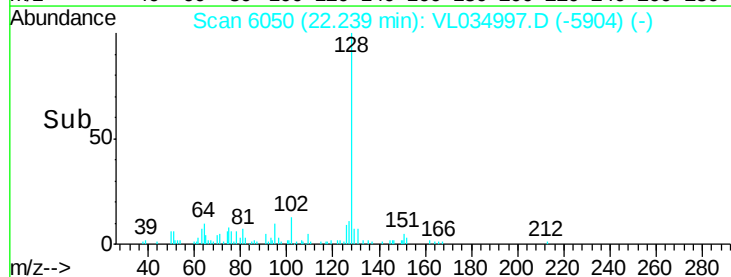
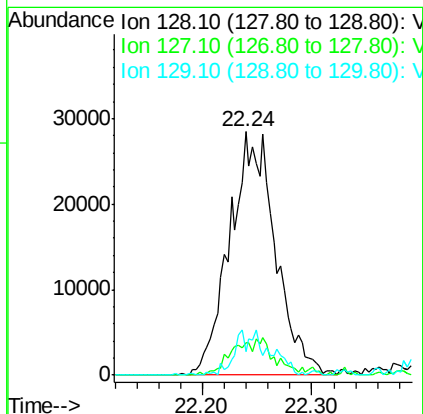
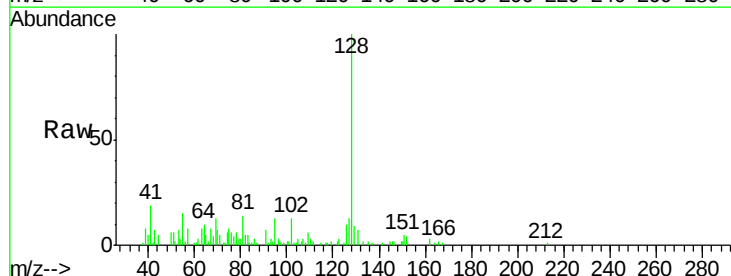
RT: 22.24 min Scan# 6050

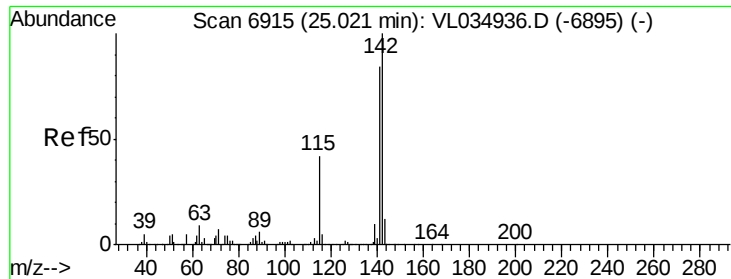
Delta R.T. -0.03 min

Lab File: VL034997.D

Acq: 12 May 2020 21:38

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	82323		
127	13.2		10.5	15.7
129	9.5		9.0	13.4





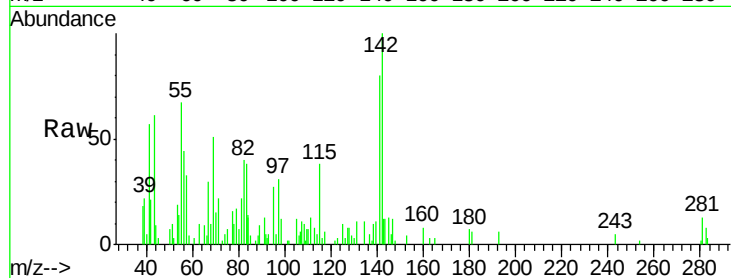
#80
Naphthalene, 2-methyl-
Concen: 0.272 ppbv
RT: 25.00 min Scan# 6910
Delta R.T. -0.02 min
Lab File: VL034997.D
Acq: 12 May 2020 21:38

Instrument :
MSVOA_L
ClientSampleId :
IA-3

Tot Ion	Ratio	Resp	Lower	Upper
142	100	15735		
141	100.1	68.6	102.8	
115	65.5	33.9	50.9	

Manual Integrations
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Abundance

Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

